



راینه داران
since 1999
Rayeneh Group

Polymer & Compound

...Because you're wise

Reyeneh Group

can provide you a wild range of polymers, compounds , masterbatches and additives.

Here you can find the Technical Data Sheet of some of them which has the most consumption rates.

If you dont find your inquiries in these mentioned items please dont hesitate to contact our Technical team.

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Polymers

LLDPE

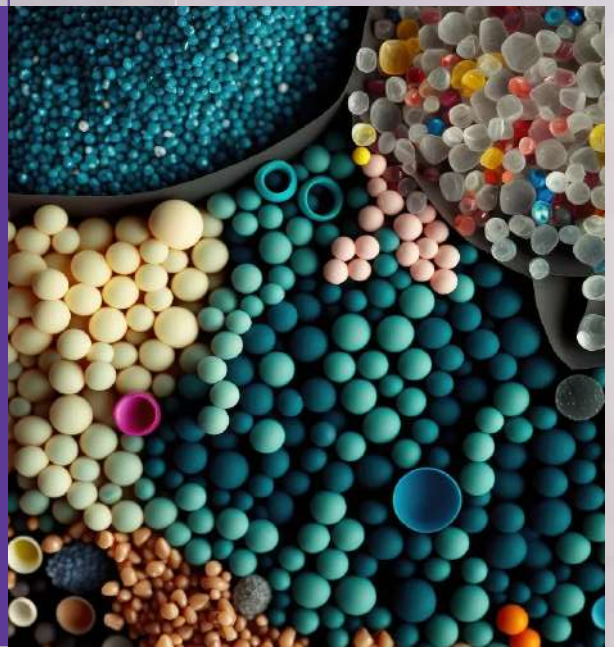
LDPE

HDPE

GPSS

HIPS

EPS



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Compounds

PE compounds

GPPS compounds

PVC compounds



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Masterbatches

Functional Masterbatches

Color Masterbatches



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Additives

Antioxidants

Anti UV

Flame retardants



WHO WE ARE

From the beginning of its presence on earth, mankind had sought to benefit from the riches of the earth and pave ways towards new destinations. As a result, it has always been in the vision of mankind to expand its access.

This phenomenon has made Mining and Construction an ever developing and expanding profession and business requiring tools and equipment tailored to its needs and challenges. Rayeneh Group has been the destination for producers, manufacturers and contractors who seek to possess an efficient and professional supply chain. For over 24 years, our group has strived to reach excellence in supplying our clients necessities.

As a trusted supplier and partner to our clients, we capture every opportunity to help experts, contractors and developers to reap the benefits from the extensive variety of equipment, machinery, knowledge and technology that has been harnessed internationally.

Therefore, consider our Group to be your one stop solution provider in supplying your Mining and Construction necessities to enable and enhance your development activities, whether you are a local contractor or a transnational developer company in construction and mining.

Core Values

- Quality
- Honesty
- Social Responsibility
- Commitment to Safety and the Environment

Vision

Rayeneh Group is an International Family that is well known in the region for project development while ranking among the top 100 companies worldwide in chemical and equipment trade.

CATEGORY	PRODUCT CODE	DESCRIPTION
POLYMER	GPPS 1551	Polystyrene resin for injection molding and extrusion process
POLYMER	LDPE 0200	LDPE virgin polymer for blown film applications
POLYMER	HDPE 7000F	HDPE virgin polymer for blown film applications
POLYMER	HDPE EX5	HDPE virgin polymer for blown film applications
POLYMER	EPS R200	EPS for high quality block and shape molding
POLYMER	HIPS 7240	HIPS with high impact resistance for extrusion
POLYMER	LLDPE 22B02	LLDPE virgin polymer for film and compounding
COMPOUND	GPPS-CO62000	optical stabilized Compound for packing
COMPOUND	PE-CO98011	HDPE/LLDPE + CaCO₃ compound for blown film
COMPOUND	PE-CO98712	HDPE + CaCO₃ Compound for blown film
COMPOUND	PE-CO98700	LDPE + CaCO₃ compound for flexible PE films
COMPOUND	PE-CO98047	HDPE + CaCO₃ Compound for ultra thin blown film
COMPOUND	PE-CO90310	LLDPE White colored Compound
COMPOUND	PVC-T2	Plasticized PVC compound for insulation of vehicle cables
COMPOUND	PVC-SCT01	Plasticized PVC compound for insulation of fixed cables
COMPOUND	PVC-SCT02	Plasticized PVC compound for insulation of flexible cables
COMPOUND	PVC-SCT10	Black PVC jacket for rigid cables
COMPOUND	PVC-SCT53	Black PVC jacket for flexible cables
MASTERBATCHES		Color & Functional Masterbatches
ADDITIVES		Antioxidants, Antiblock, Anti UV, Slip Agent, Flame retardants

Polyethylene (PE) is a thermoplastic polymer made from the polymerization of ethylene. Polyethylene is a member of the important family of polyolefin resins. It is the most widely used plastic in the world, being made into products ranging from clear food wrap and shopping bags to detergent bottles and automobile fuel tanks. It can also be slit or spun into synthetic fibers or modified to take on the elastic properties of a rubber.

Ethylene (C₂H₄) is a gaseous hydrocarbon commonly produced by the cracking of ethane, which in turn is a major constituent of natural gas or can be distilled from petroleum.

Ethylene molecules are essentially composed of two methylene units (CH₂) linked together by a double bond between the carbon atoms—a structure represented by the formula CH₂=CH₂. Under the influence of polymerization catalysts, the double bond can be broken and the resultant extra single bond used to link to a carbon atom in another ethylene molecule. Branched versions are known as low-density polyethylene (LDPE) or linear low-density polyethylene (LLDPE); linear versions are known as high-density polyethylene (HDPE) and ultrahigh-molecular-weight polyethylene (UHMWPE).

As mentioned, polyethylene has different grades, which are given below the specifications of LDPE film grade

Characteristics of LDPE 0200

Typical properties	Test method(DIN)	Unit	Value
MFI@190 °C, 2.16 kg	ISO 1133	gr/10min	2.1 - 1.8
Density	ISO 1183	gr/ml	0.923 - 0.920
Tensile STR.@ Yield	ASTM D10-882	Mpa	21 - 18
Tensile STR.@ Break	ASTM D10-882	Mpa	36 - 54
Elong.@ Break	ASTM D10-882	%	990 - 780
Elmendorf Tear Strength	ASTM D09-1922	g/25 μm	325 - 35
Chemical Formula	(C ₂ H ₄) _n		

Application

- Packaging industry
- Automotive industry
- Production of household appliances
- Production of all kinds of electrical and telecommunication cables,
- All types of pipes and fittings for water and sewage networks, oil and chemicals
- Storage tanks

Packing

PE is supplied in 25 kg bags

POLYMER

Product Code **LLDPE-22B02**

Typical properties	Test method (DIN)	Unit	Value
MFI@190 °C, 2.16 kg	ISO 1133	gr/10min	2.1 - 1.8
Density	ISO 1183	gr/ml	0.923 - 0.920
Tensile STR.@ Yield	ASTM D10-882	Mpa	21 - 18
Tensile STR.@ Break	ASTM		
D10-882	Mpa	36 - 54	
Elong.@ Break	ASTM D10-882	%	990 - 780
Elmendorf Tear Strength	ASTM D09-1922	g/25 µm	325 - 35



“Typical applications are:

For use in lean and rich blend blown film application such as overwrap,
Counter bags, shrink film and boil in the bag applications

Artificial grass

POLYMER

Product Code **HDPE - 7000 F**



7000 F is a high density polyethylene resin; a product of bi-modal process from Mitsui Chemicals, Inc. of Japan

Characteristics

Property	Value	Unit
Melt Flow Rate	0.04	g/10 min
Density	0.954	g/cm ³
ESCR	> 1000	hrs, F50
Film Properties		
Tensile Strength at Break	MD: 620*, TD: 310*	kg/cm ²
Elongation at Break	MD : 240*, TD : 450*	%
Dart Impact Strength	139*	g



Application

- Recommend film thickness at 25-10 micron
- Shopping bag and T-shirt bag
- High tensile strength with good dart impact strength
- Good moisture barrier
- Enhanced ultra-thin film
- Food contact applicable
- Wide service Temperature range, UV resistance

Packing

25 PE Bag on Pallet

POLYMER

Product Code **HDPE-EX 5**

“EX 5” is a high density polyethylene with -1Butene as co monomer. It is good toughness, low gel level, good tear strength, good stiffness and tenacity, High molar mass.

Characteristics

Mass density (23 C)	g/cm ³	0.949
Melt Flow Rate (190 C/5.0kg)	g/10min	0.28
Melt Flow Rate (190 C/21.16kg)	g/10min	8
FRR(5/21.6)		29

Application

- Film extrusion
- Counter bag,
- Carrier bag
- Wrapping films & sheets

Packing

pallet in 25Kg PE bag on pallet



Product Application:

R200, is an EPS class, in accordance with REACH regulative, which can be used in production of EPS foam typically in density ranges between 20 - 12 kg/m³ suitable for high quality block molding and shape molding.

R200 is used for food contact and other packaging variety, insulation applications is not requiring fire classification, for industrial application, and shape molding applications with impact absorber.

Lower densities can be achieved by multiple expansions.

Properties

Property	Test Method
Bead Size - Diameter 1.4 - 0.9 mm	ASTM D 10-1238
Blowing Agent - Pentane 7 - 5.6 %	ASTM D 5630
Residual Styrene Monomer Less than 1000ppm	ASTM D 1505
Moisture Content Less than %0.4	BCS METHOD
CFC Content Nil	ASTM D6980



Packing Type

1250 kg big bag with inside gas barrier liner

1000 kg big bag with inside gas barrier liner

750 kg big bag with inside gas barrier liner

1150 kg octabins are in preparation

Storage

R200 Should be stored in well - ventilated storage areas with a temperature preferably not exceeding °25C. It should be protected against unsuitable weather conditions and direct sun light. Partially used containers should be close as tight as original conditions and should be consumed in a short time. In order to maintain the expansion potential it is recommended to use material within one month after delivery.

Caution

R200 requires to be avoided restrictively from sparks and flames during phases of processing and storage. Grounding of entire equipment and machines are required, in order to prevent against static electricity development on the product conveying lines and during product processing .

Flammable pentane-air mixtures may be generated during storage and processing, for this reason adequate ventilation must be ensured. Please make sure to read the "Safety Data Sheet" (SDS), which contains entire details of the measurements required to be taken.

SNOWA R200 is suitable and permitted to be used in food contact applications

Processing Conditions

Minimum density is dependent upon expander type and pressure/steam conditions.

Recommended silo ageing time must be more than 5 hours to ensure high strength performance of the molded product, but less than 24 hours to ensure good fusion.

Maximum silo ageing time strongly depends on ventilation and storage temperature.

For special advice kindly contact Snowa Technical Service.

POLYMER

Product Code **HIPS - 7240**

Product Application:

HIPS7240 is a very high impact polystyrene for the extrusion industry. This grade has been designed to diluted with crystal polystyrene.

Applications:

darty sheet,cups,trays,egg boxes,general packaging,coextrusion with GPPS at industrial sheets.

The good melt strength of this grade makes it particularly suited for deep-draw thermoforming.

HIPS7240 is available in white color.

Typical properties	Unit	Test method (DIN)	Value
MELT FLOW INDEX(°۲۰۰C۰KG)	g/۱۰min	ASTM D1238-	4.5
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (۵۰ °C/hr ۱kg)	°C	ASTM D1525-	97
ROCKWELL HARDNESS	-	ASTM D785-	SCALE/R65
TENSILE STRESS AT YEILD	MPA	ASTM D638-	23
TENSILE STRESS AT BREAK	MPA	ASTM D638-	21
ELONGATION AT BREAK	%	ASTM D638-	60
TENSILE MODULUS	MPA	ASTM D638-	1950
IZOD IMPACT	KJ/M2	ASTM D256-	11

All test are carried out at °23C , unless otherwise stated.

If in grade reference the fourth digit is «7241»«1) ,indicates an external lubricants is included.

All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S.(Standard Sales Specifications)

Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.7-0.4%)(ASTM D955-) respectively.



POLYMER

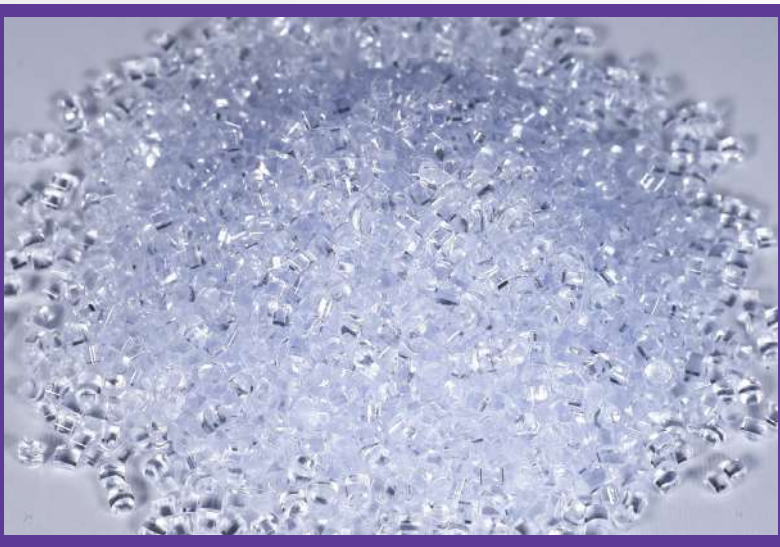
Product Code **GPPS 1551**

Conventional polystyrene resins are transparent polymers obtained from the polymerization of styrene monomer. Polystyrene GP can be used for both injection molding and extrusion.

The features of this article include the following: Excellent flow properties, high heat resistance, high molecular weight, high transparency, ease of processing, low shrinkage, very low moisture absorption. Technical specifications of general polystyrene (GPPS)

Characteristics

Molecular formula	(C ₈ H ₈) _n
Density (gr/cm ³)	1.04 - 0.96
Melting point (°C)	240
Melt flow index at °200C and 5 kg load (gr/10min)	7
Tensile strength (MPa)	52
Vicat softening temperature (°C)	100



Application

- Food packing
- Extrusion foam packaging
- Disposable dishes
- Production of household appliances
- Combination with HIPS for FFS thermoforming
- XPS insulation
- Medical laboratory utensils and containers
- Combined with SBS for impact resistant applications

Packing

25 kg bags

COMPOUND

Product Code **GPPS-CO62000**

Product Type:

CO62000 is a Optical stabilized compound based on polystyrene (GPPS).

Product Description:

This grade is designed to be processed in injection molding techniques

Product Application:

This compound is used in home appliance, house wares, electrical goods and other utility products.

Product Properties:

Property	Test Method	Test Condition	Value	Unit
Melt Flow Index	ASTM D 10-1238	(200 °C, 5 kg)	2±11	gr/10min
Pellet size	Manufacturer	Test Method		
Test Method	(25 °C)	40-30	Pieces/g	
Moisture Content	ASTM D6980	(105 °C)	max 0.2	%
Tensile Strength	ASTM D 638	(50mm/min)	39±2	MPa
Tensile strain at Break	ASTM D 638	(50mm/min)	4±1	%
Izod Impact strength	ASTM D 256	Notched at 23 C°	16±2	j/m
CIE96 L*a*b*	ASTM D 2244	Standard Sample	$\Delta E \leq 0.5$	-

Rear Temp (°c)	Center Temp (°c)	Front Temp (°c)	Nozzle Temp (°c)
190	200	200	205



Product Packaging & Storage:

The packing is 25KG per bag, laminated moisture proof woven bag. Keep the product in cool & dry place. Away from the direct sunlight, high temperature and rain pour.

Product Type:

CO98011 is a combination of high-density polyethylene (HDPE) and linear low-density polyethylene (LLDPE) filled with calcium carbonate.

Product Description:

CO98011 provides a balance of toughness and mechanical properties, stiffness, surface hardness, better dimensional stability, good thermal and chemical resistance.

Product Application:

This grade Recommend for:

- film thickness at 25-10 micron
- Shopping bag
- Garbage bag
- Good moisture barrier
- Liner bag
- Wide service temperature range and ...



Product Properties:

Property	Test Method	Test Condition	Value	Unit
Melt Flow Index	ASTM D 10-1238	(190 °C, 21.6 kg)	10 ±1	g/10min
ASH Content	ASTM D 5630	(600 °C, 1hr)	10 ±1	%
Density	ASTM D 1505	(25 °C)	1.05± 0.05	g/cm ³
Pellet Size	BCS METHOD	(25 °C)	40-30	Pieces/g
Moisture Content	ASTM D6980	(105 °C)	max 0.1	%

Processing Conditions:

The actual extrusion condition depends on type of using machine, size and film thickness of product required. Generally, melt temperature should be 210-190 °C with BUR = 5-3 times and frost line height (FLH) = 10-8 times of die diameter.

Product Packaging & Storage:

The packing is 25 Kg per bag, laminated moisture proof woven bag. Keep the product in cool & dry place. Away from the direct sunlight, high temperature and rain pour.

Product Type:

CO98712 is a high-density polyethylene compound.

Product Description:

CO98712 provides a balance of toughness and mechanical properties, high tensile strength with good dart impact strength, good moisture barrier good impact resistance and processability



Product Application:

This grade recommends for:

- Counter bag
- Grocery sack
- Garbage bag

Product Properties:

Property	Test Method	Test Condition	Value	Unit
Melt Flow Index	ASTM D 10-1238	(190 °C, 21.6 kg)	11 ±1	g/10min
Density	ASTM D1505	(25 °C)	0.94 ± 0.01	g/cm ³
ASH Content	ASTM D 5630	(600 °C, 1hr)	5 ±0.4	%
Pellet Size	BCS METHOD	(25 °C)	40-30	Pieces/g
Moisture Content	ASTM D6980	(105 °C)	max 0.2	%

Product Packaging & Storage:

The packing is 25 Kg per bag, laminated moisture proof woven bag.

Product Packaging & Storage:

Keep the product in cool & dry place. Away from the direct sunlight, high temperature and rain pour.

COMPOUND

Product Code **PE-CO98700**

Product Type:

CO98700 is a low density polyethylene (LDPE) resin filled with calcium carbonate.

Product Description:

CO98700 provides good flexible extrusion behavior and superior mechanical properties.

Product Application:

This grade recommend for:

- carrier bags
- shrink film
- industrial film

Product Properties:

Property	Test Method	Test Condition	Value	Unit
Melt Flow Index	ASTM D 10-1238	(190 °C, 2.16 kg)	0.8 ± 0.1	g/10min
Density	ASTM D1505	(25 °C)	0.92±0.01	gr/cm ³
Pellet Size	BCS METHOD	(25 °C)	40-30	Pieces/g
Moisture Content	ASTM D6980	(105 °C)	max 0.2	%
ASH Content	ASTM D 5630	(600 °C, 1hr)	1±0.2	%



Product Packaging:

The packing is 25KG per bag, laminated moisture proof woven bag.

Product Storage:

Keep the product in cool & dry place. Away from the direct sunlight, high temperature and rain pour.

Product Type:

CO98047 is a High-Density Polyethylene Compound filled with %3 calcium carbonate.

Product Description:

CO98047 is high density grade that provides very good optical properties, good stiffness with abrasion resistance and high chemical resistance. This grade has excellent resistance against UV rays, making it ideal for outdoor application.

Product Application:

This compound is used in ultra-thin film, disposable gloves, freezer bags, trash bags, and medical gowns.

Product Properties:

Property	Test Method	Test Condition	Value	Unit
Melt Flow Index	ASTM D10-1238	(190 °C, 5 kg)	0.5 ± 0.1	g/10min
Melt Flow Index	ASTM D10-1238	(190 °C, 21.6 kg)	10 ± 0.5	g/10min
ASH Content	ASTM D5630	(23 °C)	3±0.1	%
Moisture Content	ASTM D6980	(105 °C)	max 0.1	%
Pellet Size	BCS Method	(23 °C)	40-30	Pieces/g

Processing Condition:

The following injection molding conditions are recommended starting point for CO98047

Rear Temp (°c)	Center Temp (°c)	Front Temp (°c)	Nozzle Temp (°c)
185	190	195	195

Product Packaging:

The packing is 25KG per bag, laminated moisture proof woven bag.

Product Storage:

Keep the product in cool & dry place. Away from the direct sunlight, high temperature and rain pour.



COMPOUND

Product Code **PE-CO90310**

Product Type:

CO90310 is a white color linear low-density polyethylene (LLDPE) compound.

Product Description:

CO90310 provides a balance of toughness and mechanical properties .This grade design for general purpose applications and film processing.

Product Application:

This grade Recommend for:

vHeave duty sacks

Produce bags

Thin film

Product Properties:

Property	Test Method	Test Condition	Value	Unit
Melt Flow Index	ASTM D 10-1238	(190 °C, 2.16 kg)	0.9± 0.5	g/10min
Density	ASTM D1505	(25 °C)	0.94±0.1	gr/cm ³
Pellet Size	BCS METHOD	(25 °C)	40-30	Pieces/g
Moisture Content	ASTM D6980	(105 °C)	max 0.2	%



Product Packaging & Storage:

The packing is 25KG per bag, laminated moisture proof woven bag. Keep the product in cool & dry place. Away from the direct sunlight, high temperature and rain pour.

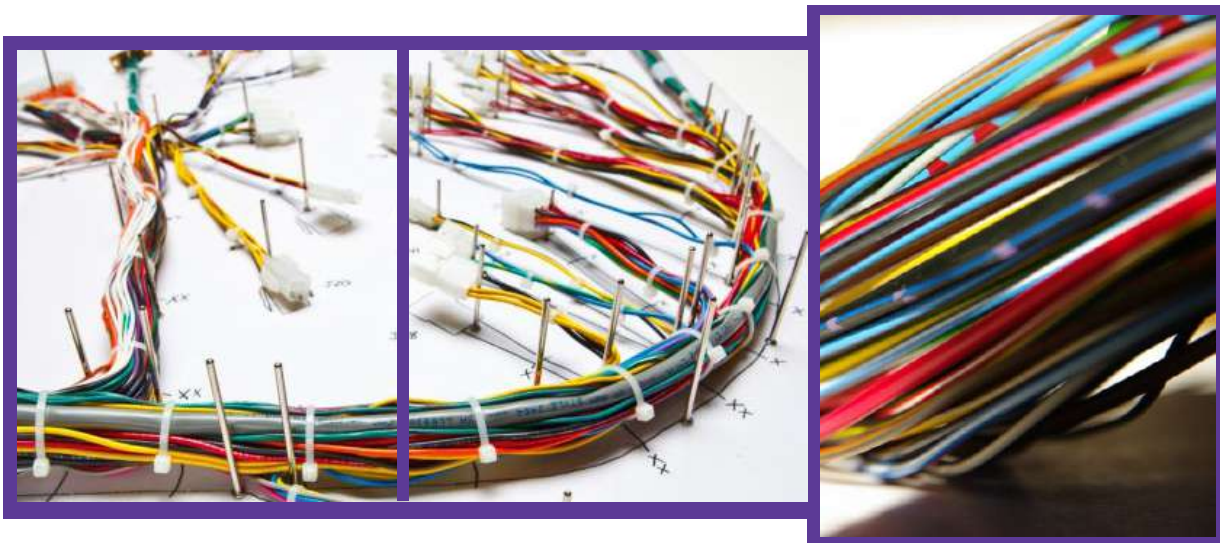
COMPOUND

Product Code **PVC-T2**

This grade is applicable for vehicles according to ISO 6722-1 z

For any further information please feel free to contact us.

No.	Test Item	reference Standard	standard acceptance	result	test repetition
1	specific gravity	ASTM D1895		1.45 g/cc	Routine Test
2	tesile strength at break	IEC 60811	min. 12.5 N/mm ²	22	Routine Test
3	elongation at break	IEC 60811	min. 150 %	200	Routine Test
4	thermal stability	IEC 2-3-811	min.90Minutes	150	Type Test
5	pressure test at high temperature	ISO 1-6722	No breakdown	Pass	Type Test
6	withstand voltage test	ISO 1-6722	No breakdown	Pass	Type Test
7	cold impact test	ISO 1-6722	No breakdown No conductor visible	Pass	Type Test
8	short term heat aging test	ISO 1-6722	No breakdown No conductor visible	pass	Type Test
9	shrinkage by heat test	ISO 1-6722	Max. %2	%1.50	Type Test
10	Resistance to flame propagation ISO 1-6722		Max. extinguish time 70s remained unburned length min.50 mm	30s , 250mm	Type Test



Product Packaging:

The packing is on the PP laminated bags, each bag has 25kg weight and each 50 bags would be packed in one pallet.

Granule Type: SCT01

Description: PVC compound for high speed extrusion insulation of fixed wire or cable.

Specification: IEC 60502: PVC/A , INSO 3569 PVC/A

Color: natural

80±1
1.47±0.01

Product Properties:

Properties	Standard and Test Method	Unit	Typical Value
Hardness	ASTM D 15) 2240 sec)	shore " A "	80±1
Density	ASTM D 792	gr/cm ³	1.47±0.01
Heat stability at 200oc	VDE 9.71/0472	minute	min 70
Properties before ageing Tensile strength Elongation at break	IEC 501-60811	N/mm ² %	min 13.5 min 170
Properties after ageing «7 days at 80oc» Variation of tensile Variation of elongation	IEC 501-60811	% %	max 15 max 15
Heat shock test «1 hr at 150oc» Result to be obtained	IEC 509-60811	--	No Cracks
Loss of mass after ageing "7 days at 100oc"	IEC 409-60811	mg/cm ²	max 2

Product Packaging & Storage:

The packing is 25 Kg per bag, laminated moisture proof woven bag.

	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
max (oC)	170	170	180	170	170	175
min (oC)	140	150	160	150	155	160

Safety:

SCT01 is classified as no-dangerous material.

Packing:

It is available in the form of the pellets and supplied in pp laminated bag with a net content of 25 kgs.



COMPOUND

Product Code **PVC-SCT 02**

Granule Type: SCT02

Description: PVC compound for high speed extrusion insulation of flexible wire or cable.

Specification: IEC 60227: PVC/C , INSO 3569 PVC/A

Color: natural

Product Properties:

Properties	Standard and Test Method	Unit	Typical Value
Hardness	ASTM D 15) 2240 sec)	shore " A "	76±1
Density	ASTM D 792	gr/cm ³	1.48±0.01
Heat stability at 200oc	VDE 9.71/0472	minute	min 70
Properties before ageing Tensile strength Elongation at break	IEC 501-60811	N/mm ² %	min 13.5 min 180
Properties after ageing «7 days at 80oc» Variation of tensile Variation of elongation	IEC 501-60811	% %	max 15 max 15
Heat shock test «1 hr at 150oc» Result to be obtained	IEC 509-60811	--	No Cracks
Loss of mass after ageing «7 days at 100oc»	IEC 409-60811	mg/cm ²	max 2



Processing condition:

As a general guide, typical processing temperature are as follows:

	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
max (oC)	170	170	180	170	170	175
min (oC)	140	150	160	155	150	150

Safety:

SCT02 is classified as no-dangerous material.

Packing:

It is available in the form of the pellets and supplied in pp laminated bag with a net content of 25 kgs.

COMPOUND

Product Code **PVC-SCT 53**

Granule Type: SCT53

Description: PVC compound for high speed extrusion sheathing of flexible cables.

Specification: IEC 60227: ST5, BS 6746: TM2, INSO 1-607 ST5

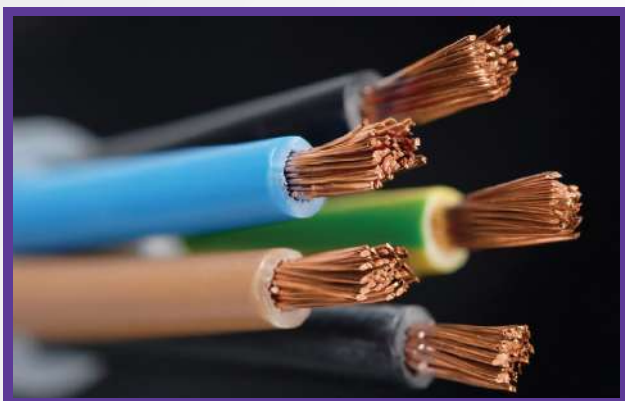
Color: Black or natural

Properties	Standard and Test Method	Unit	Typical Value
Hardness	ASTM D 15) 2240 sec)	shore " A "	77±1
Density	ASTM D 792	gr/cm3	1.48±0.01
Heat stability at 200oc	VDE 9.71/0472	minute	min 70
Properties before ageing Tensile strength Elongation at break	IEC 501-60811	N/mm2 %	min 13.5 min 180
Properties after ageing «7 days at 80oc» Variation of tensile Variation of elongation	IEC 501-60811		max 15 max 15
Heat shock test «1 hr at 150oc» Result to be obtained	N/mm2	--	No Cracks
Loss of mass after ageing «7 days at 100oc»	%	mg/cm2	max 2

Processing condition:

As a general guide, typical processing temperature are as follows:

	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
max (oC)	170	170	180	170	170	160
min (oC)	140	150	160	150	150	140



Safety:

SCT53 is classified as no-dangerous material.

Packing:

It is available in the form of the pellets and supplied in pp laminated bag with a net content of 25 kgs.

Granule Type: SCT 10

Description: PVC compound for high speed extrusion sheathing of cables for fixed wiring.

Specification: IEC 60502: ST2 , INSO 3569 ST2

Color: Black or natural

Properties	Standard and Test Method	Unit	Typical Value
Hardness	ASTM D 15) 2240 sec)	shore " A "	83±1
Density	ASTM D 792	gr/cm ³	1.48±0.01
Heat stability at 200oc	VDE 9.71/0472	minute	min 80
Properties before ageing Tensile strength Elongation at break	IEC 501-60811	N/mm ² %	min 13.5 min 175
Properties after ageing «7 days at 80oc» Variation of tensile Variation of elongation	IEC 501-60811	% %	max 15 max 15
Heat shock test «1 hr at 150oc» Result to be obtained	N/mm ²	--	No Cracks
Loss of mass after ageing «7 days at 100oc»	%	mg/cm ²	max 2

Processing condition:

As a general guide, typical processing temperature are as follows:

	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
max (oC)	170	170	180	170	170	160
min (oC)	150	155	160	155	150	150

Safety:

SCT 10 is classified as no-dangerous material.

Packing:

It is available in the form of the pellets and supplied in pp laminated bag with a net content of 25 kgs.



MASTERBATCH

Masterbatch is a product in which the base polymer is optimally integrated with pigment or other additives. These products, in terms of appearance and some properties, are in accordance with the characteristics of the original polymer and are supplied in granular form. The predominant base material is often polyethylene (PE), polypropylene (PP), polycarbonate (PC), polyester (PET), polystyrene (PS), acrylonitrile butadiene styrene (ABS), and so on.

Masterbatch Categories

color masterbatch

Functional masterbatches:

filler masterbatches

Antioxidants masterbatches

Antiblock & Antislip masterbatches

Anti fog masterbatches

Processing Aid masterbatches

flame retardant Masterbatche

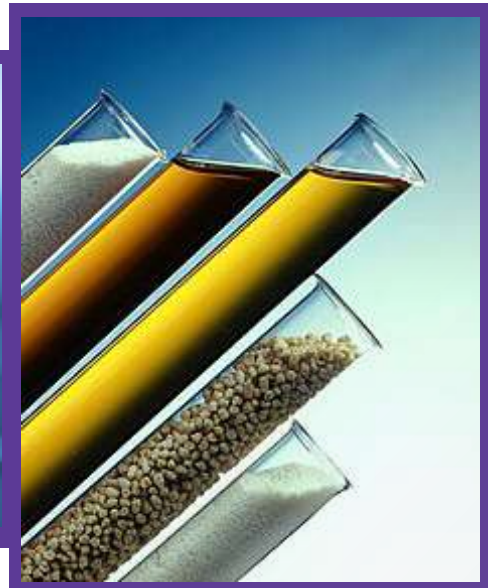


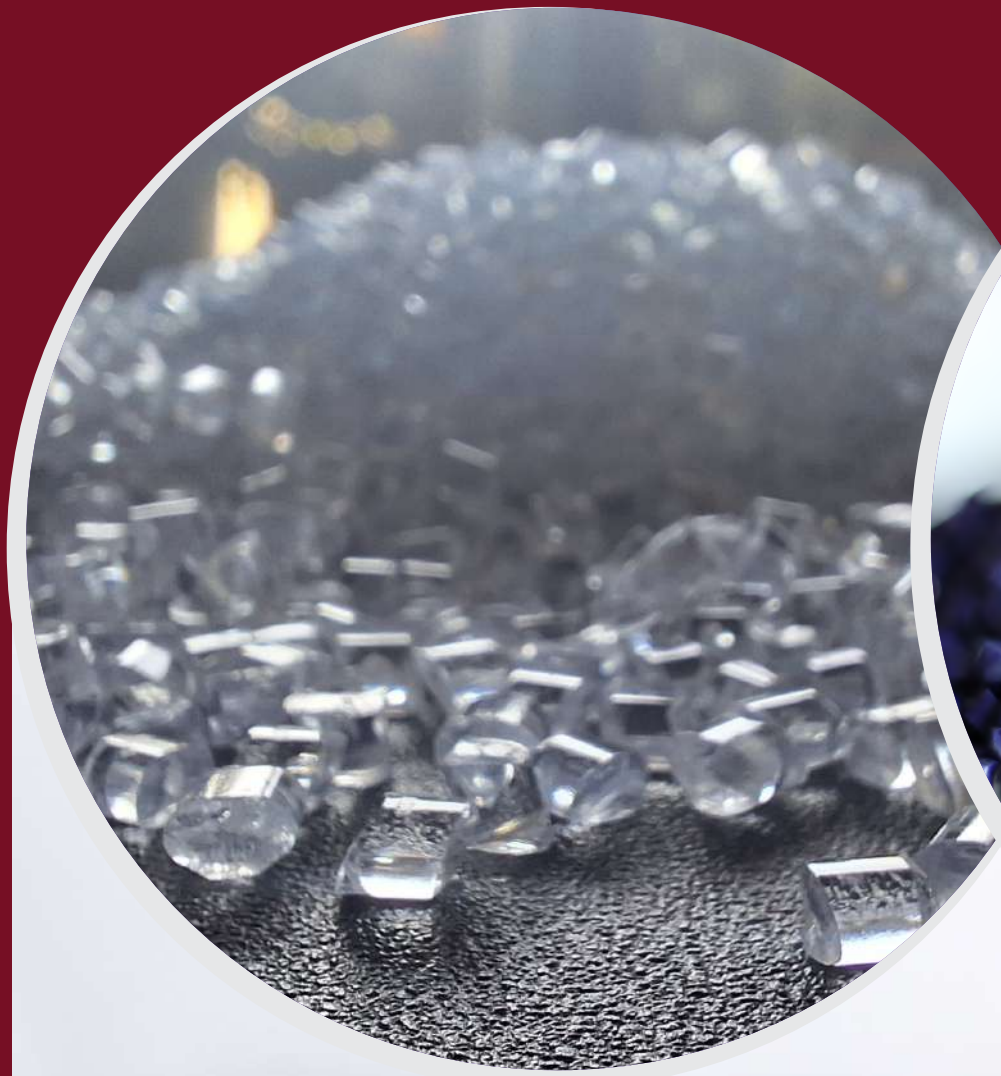
ADDITIVES

Polymer Additives are chemicals added to the base polymer to improve processability, prolong the life span, and/or achieve the desired physical or chemical properties in the final product. While the content of additives is typically only a few percent, their impact on polymer performance and stability is significant.

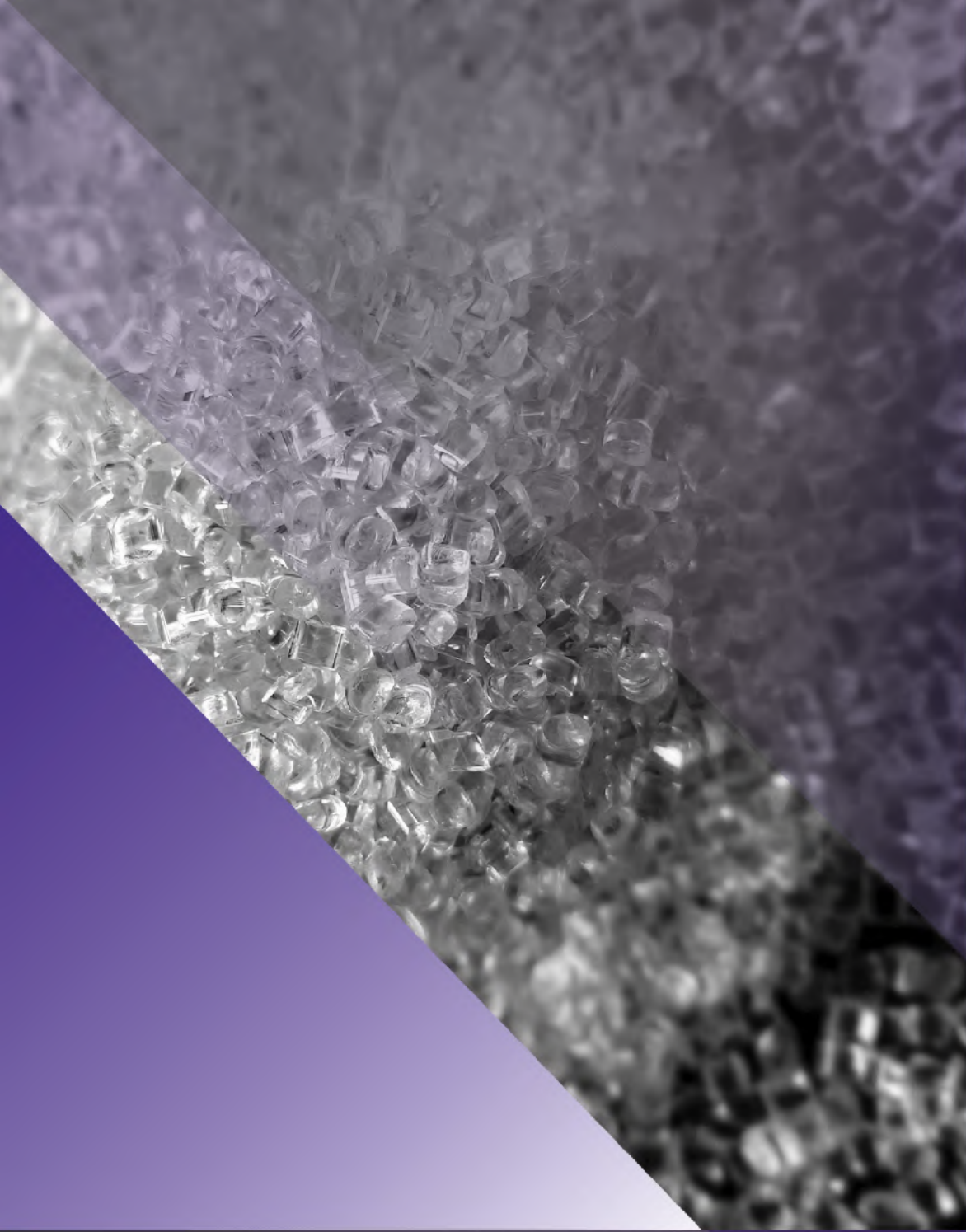
Additives Categories:

- Antioxidants
- Antiblock
- Anti UV
- Slip Agents
- Anti fog
- Flame retardant
- Processing Aid
- Pigments and Dyes









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rayeneh.com
info@rayeneh.com
@rayeneh.co
in rayeneh
RayenehGroup

4th floor. No.23, Kavoosifar St.
Shahid Beheshti St., Tehran, Iran
Postal code : 1577943119
Tel/Fax: +98 21 88549450 - 3



**Ali
Motazedi**



**Mohammad
Garakani**