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ОперaMиpУT

POLYMERS

Sahar Express is a privately owned company specializing in Commodity Chemicals, Petro-Chemicals, Specialty chemicals, and Mineral products. We make sure that we satisfy our partners, every time with our quality products, timely delivery, precise communication & professional approach. As a worldwide supplier, we offer our products to more than 16 countries. We are committed to our partners' needs and believe in developing a heartfelt bond through constant communication.

HDPE



High Density Poly Ethylene is a thermoplastic polymer made from petroleum. As one of the most versatile plastic materials around, HDPE plastic is used in a wide variety of applications, including plastic bottles, milk jugs, shampoo bottles, bleach bottles, cutting boards, and piping. Known for its outstanding tensile strength and large strength-to-density ratio, HDPE plastic has a high-impact resistance and melting point.

GRADES	APPLICATION	MFR	DENSITY	Packing	GRADES	APPLICATION	MFR	DENSITY	Packing
EX3	Pipe extrusion	0.5	0.944	25 kg bag	PE80	Pipe extrusion	0.04	0.949	25 kg bag
EX5	Film extrusion, counter bag, carrier bag, Wrapping films	0.28	0.949	25 kg bag	PE100	Pipe extrusion	0.25	0.958	25 kg bag
BL3	Small blow moulding	1	0.954	25 kg bag	52518	Household Applications	16-20	0.950-0.954	25 kg bag
0035	Small blow moulding, Bottles, Containers (up to 5 lit)	0.35	0.959	25 kg bag	0075	Film blowing	0.75	0.920	25 kg bag
7000F	Enhanced ultra-thin film	0.04	0.952	25 kg bag					

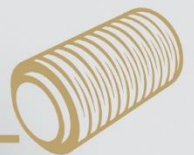


LDPE

low density polyethylene is a soft, flexible, lightweight plastic material. LDPE is noted for its low temperature flexibility, toughness, and corrosion resistance. It is not suited for applications where stiffness, high temperature resistance and structural strength are required. It is often used for orthotics and prosthetics. LDPE has good chemical and impact resistance and is easy to fabricate and form.

GRADES	APPLICATION	MFR	DENSITY	Packing	GRADES	APPLICATION	MFR	DENSITY	Packing
2100TN00	Nylon films, plastic bags	0.3	921	25 kg bag	2420 H	cable covering, packing	1.9	0.924	25 kg bag
2102TX00	Nylon films, plastic bags	1.9	921	25 kg bag	2420 D	cable covering, packing	0.25	0.923	25 kg bag
LFI 2119	general purpose film & lamination	1.9	921	25 kg bag	2047/37	thin films	4.7	920	-

LLDPE



Linear low-density polyethylene (LLDPE) is used in films and packaging due to its flexibility and toughness. High-density polyethylene (HDPE) is typically translucent and less flexible than LDPE. Due to its higher crystallinity, it has better chemical resistance, stiffness, and strength than LDPE.

GRADES	APPLICATION	MFR	DENSITY	Packing	GRADES	APPLICATION	MFR	DENSITY	Packing
LL0209KJ	liquid containers, bags, plastics films	0.9	0.921	25 kg bag	LL0220AA	liquid containers, bags	2.4	0.921	25 kg bag
LL0220KJ	liquid containers, bags, plastics films	2.4	0.921	25 kg bag	LL22501	Blown Film Grade	0.95	0.922	25 kg bag



PVC



Polyvinyl chloride is an amorphous thermoplastic material. It is hard and brittle, white in color and only becomes softer, malleable and suitable for technical applications when plasticizers and stabilizers are added. PVC is best known for its use in floor coverings. It also plays an important role in the construction industry, where it is used in the form of window profiles and pipes, among other things.

GRADES	APPLICATION	MFR	DENSITY	Packing
S65	Pipe & Fitting, Extrusion Moulding	-	530-590	25 kg bag
K70	Extrusion Moulding, Wire & Cable	-	445-505	25 kg bag
K67	Extrusion Moulding	-	490-550	25 kg bag

PP



Polypropylene is a thermoplastic produced by chain polymerisation of propene. It belongs to the group of polyolefins, is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant.

GRADES	APPLICATION	MFR	DENSITY	Packing	GRADES	APPLICATION	MFR	DENSITY	Packing
zh550L	Injection moulding	6	-	25 kg bag	zh500m	Injection moulding	9	-	25 kg bag
SF-30	carpet fibers, auto appliances	2-3.5	0.9	25 kg bag	zh515	bags	9	-	25 kg bag
EP440L	Injection Molding	6	0.900	25 kg bag	HP552R	Fiber	25	-	25 kg bag
HP510M	Bags, Film, Food Packaging	9	0.9	25 kg bag	rp270g	Medical Packaging Sheet, Bottles	1.8	0.900	-
HP515M	Injection Molding	9	0.900	25 kg bag	60	Auto & Home appliance	5-7.5	0.900	-

PET-BG



Polyethylene Terephthalate bottle grade chips (highly viscous) is a condensation polymer produced by a continuous melt phase polymerization process followed by a solid state polymerization process, with an I.V of 0.75-0.85. The products has an excellent transparency and gloss, an outstanding gas barrier against oxygen and carbon dioxide, and outstanding toughness and impact strength.

GRADES	APPLICATION	MFR	DENSITY	Packing	GRADES	APPLICATION	MFR	DENSITY	Packing
BG781	Liquid Packaging, Bottle	0.75 0.85	-	-	BG785	Liquid Packaging, Bottle	0.78	-	-
BG821	Wide Mouth Jars, APET Sheet, Stapping	0.82	-	-	BG825	Bottles	0.82	-	-

HIPS



High Impact Polystyrene, also known as PS (Polystyrene), is an amorphous thermoplastic material, used in lower heat applications. This form of PS typically is produced by adding around 5-10% rubber or butadiene copolymer. This increases the toughness and impact strength of the polymer and results in a very stiff product ideal for packaging applications.

GRADES	APPLICATION	MFR	DENSITY	Packing
7240	TV, radio and cassette player cases	4.5	-	25 kg bag

ABS



Acrylonitrile Butadiene Styrene (ABS) is an impact-resistant engineering thermoplastic & amorphous polymer. It is made of three monomers: acrylonitrile, butadiene and styrene. It is a preferred choice for structural applications, thanks to its physical properties such as high rigidity, resistance to impact, abrasion, strain. It finds use in electronic housings, auto parts, consumer products, pipe fittings, lego toys.

GRADES	APPLICATION	MFR	DENSITY	Packing
SD0150	Monitor And Typing Machine Cases	1.7	-	-



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