



AYLER POLYMER

High density polyethylene

EXTRUSION_{grades}

Extrusion Polyethylene (HDPE) is a thermoplastic polymer with outstanding properties such as high strength, processability, and durability that is used in the production of pipes, packaging films, protective coatings, and industrial components

www.aylerpolymer.ir



HDPE

Extrusion high density polyethylene is a type of heavy polyethylene that has a high melting point between 190 and 280 degrees Celsius. This material is a very resistant polymer with very high pressure tolerance and hardness, and for this reason, products made with this material have a high resistance to impact and tension



CPR100

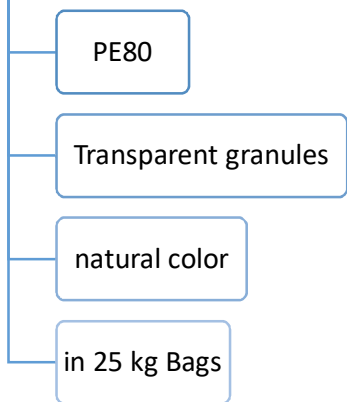
Suppliers: Bakhtar Petrochemical



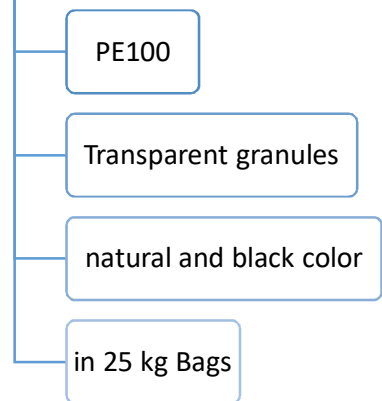
EX3

Suppliers: Jam Petrochemical

EX3



CPR100



EX3

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.945	ISO 1183
Melt flow rate(190 c/5.06kg)	g/10 min	0.45	ISO 1133
Melt flow rate(190 c/21.16kg)	g/10 min	12	ISO 1133
Tensile Stress at Yield	MPa	850	ISO 527-1,2

CPR100

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.948	ISO 1183
Melt flow rate(190 c/5.06kg)	g/10 min	0.22	ISO 1133
Melt flow rate(190 c/21.16kg)	g/10 min	6.2	ISO 1133
Notched Impact (23°C)	MJ/mm ²	24	



EX3

“EX3 (HM 5010 T2N)” is a natural colored high density polyethylene with Butene-1 as comonomer. The product is classified as PE 80 and good stress crack resistance properties (ESCR) combined with good impact strength. Stabilization: Ca-Stearate, Zn-..Stearate, Irganox1010, Irgafos168

Features

- good impact strength
- good stress cracking resistance

Applications

- Pipe Extrusion PE80 Class
Pressure pipe, Drinking water and gas pipes, Sewer pipes, and their fittings
Discharge pipes, For injection moulded and other fittings, Sheets

CPR100

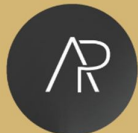
The material CRP100B is a heavy duty black polyethylene with high hardness. This material is actually a type of heavy extruded polyethylene that has a very high hydrostatic resistance.

Features

- good ESCR
- high impact strength
- outstanding hydrostatic strength

Applications

- Pipe extrusion PE 100 class ,Industrial and pressure pipe, Gas pipe, drinking water pipe



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