



AYLER POLYMER

High density polyethylene

Blow moulding grades

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HDPE

The appearance characteristic of inflatable granule is its transparency, applications are for the production of bleach bottles, engine oil, toilet supplies, soft and distilled water. This grade is also used to make small containers (from 10 cc to 20 liters)

Blow molding high density polyethylene granule is a highly transparent, non-polar thermoplastic with excellent chemical resistance and exceptional impact resistance in ambient conditions and even at cold temperatures



HBM5510

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.959	ISO 1183
Melt flow rate(190 c/5.06kg)	g/10 min	0.05	ISO 1133
Melt flow rate(190 c/21.16kg)	g/10 min	10	ISO 1133
Tensile Stress at Yield	MPa	19	ISO 527-1,2

BL3

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.954	ISO 1183
Melt flow rate(190 c/5.06kg)	g/10 min	1.2	ISO 1133
Melt flow rate(190 c/21.16kg)	g/10 min	23	ISO 1133
(5/21.6) FRR	-	19	-

6200B

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.956	ASTM 792
Melt flow rate(190 c/2.16kg)	g/10 min	36	ASTM1238
Tensile Stress at break	MPa	20	ASTM 628
Tensile Stress at Yield	MPa	27	ASTM 628

HB0035

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.959	ASTM D 1505
MFI(190 c/2.16Kg)	g/10 min	0.35	ASTM D 1238
ECSR	Hr	15	ASTM D 1693
Tensile Stress break	Kg/cm ²	290min	ASTM D 256

HBM5510

HBM 5510 is a high density polyethylene, specially developed for large parts blow molding. This grade, which is produced by 1-hexene as a co-monomer, offers high stiffness, good process-ability, excellent parison melt strength and good ESCR. HBM 5510 has been manufactured under Basell license.

Applications

- Blown film extrusion
- Geomembrane
- High strength carrier bags-
- Uni/multi wall packaging

Features

- High Tear Resistance
 - High Strength
 - Good Seal-ability
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BL3

HF-4760(BL3) is a blow molding grade resin with high density polyethylene with 1-Butene as co monomer which is manufactured by the suspension polymerization of ethylene monomer. Stiffness, good ESCR are it's spetial properties. High rigidity and good flowablity which made it proper for usage in bottles and small blow molding goods

Features

- Hight density and stiffness, good flowabilitty and impact strenght and good stress cracking resistance

Applications

- small blow moulding bottles containers(up to 5lit)
- packing of pharmaceuticals and surfactants

6200B

6200B is a high density polyethylene resin. This resin is suitable for use in blow molding technology polyethylene, copolymer, with primary stabilization (such as calcium stearate-antioxidant 168 and 1010). Ethylene and 1- Butene 1 are the only monomers used to produce grade 6200B

Features

- Excellent resistance to environmental stress cracking (ESCR)
- High speed process capability
- Excellent rigidity

Applications

- Food and milk bottles
- bottles of bleach and detergents
- water packaging containers
- refrigerator bottles, etc

HB0035

HB0035 is a high molecular weight high density polyethylene blow moulding grade combining blow moulding extrusion behavior and superior mechanical properties. HB 0035 contains antioxidant to protect the polymer from degradation during processing. HB 0035 is a highly crystalline, non-polar thermoplastic and has excellent chemical resistance and superb impact resistance at ambient conditions and even at cold temperatures

Features

- high impact strength
- good stress cracking resistance
- high stiffness
- Uni/multi wall packaging

Applications

- HB0035 is well suited for wide range of blow moulding applications due to its unique properties. These range from bottles for bleach, motor oil, toiletries, mild and distilled water. This grade is also used to make small containers (from 10 cc to 20 lit.).



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