

Total HDPE 46060 UV High Density Polyethylene - Large Part Blow Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Polyethylene: High molecular weight, high density large part blow molding resin. Characteristics: Good melt strength Good impact and creep resistance Excellent stress cracking resistance Excellent stacking strength Good rigidity ASTM D 1248 - Type III, Class A, Category 5 ASTM D 4976-89-PE235 FDA Compliant Applications: Shipping containers Industrial chemical tanks Intermediate bulk containers Agricultural chemical tanks Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-HDPE-46060-UV-High-Density-Polyethylene-Large-Part-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.946 g/cc	0.946 g/cc	ASTM D792
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	F50; ASTM D1693
ESCR 10% Igepal®	>= 1000 hour	>= 1000 hour	F50; ASTM D1693
Melt Flow	6.0 g/10 min @Load 21.6 kg, Temperature 190 °C	6.0 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	36.8 MPa	5340 psi	ASTM D638
Tensile Strength, Yield	24.7 MPa	3580 psi	ASTM D638
Elongation at Break	630 %	630 %	ASTM D638
Flexural Modulus	0.8115 GPa @Strain 0.400 %	117.7 ksi @Strain 0.400 %	ASTM D790
Izod Impact, Notched	5.61 J/cm @Thickness 3.17 mm	10.5 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	124 °C	255 °F	ASTM D3417

Processing Properties	Metric	English	Comments
Processing Temperature	188 - 227 °C	370 - 440 °F	Blow Molding Stock Temp.

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