

Total 54050 HDPE, blow molding

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

Material Notes:

Applications: 55-gallon shipping containers, open-top drums, industrial tanks, agricultural chemical tanks. Blow Molding Stock Temperature 380 – 450 °F Extrusion melt temperature 400 - 480°F Information provided provided by Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-54050-HDPE-blow-molding.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D 792
Environmental Stress Crack Resistance	>= 200 hour	>= 200 hour	ASTM D1693 cond. B 10% Igepal
	>= 1000 hour	>= 1000 hour	ASTM D1693 cond. B 100% Igepal
High Load Melt Index	5.5 g/10 min	5.5 g/10 min	ASTM D 1238
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 39.3 MPa	>= 5700 psi	ASTM D 638 type IV
Tensile Strength, Yield	>= 28.3 MPa	>= 4100 psi	ASTM D 638 type IV
Elongation at Break	>= 600 %	>= 600 %	ASTM D 638, type IV
Flexural Modulus	1.31 GPa	190 ksi	ASTM D 790
Izod Impact, Notched	6.67 J/cm	12.5 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Melting Point	128 °C	263 °F	ASTM D3417

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