

Total 5202LD HDPE, blow molding

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

Material Notes:

Applications: Bleach and detergents, industrial chemicals, industrial parts, packaging aggressive liquids, food packaging. Blow molding stock temperature 360 - 400°F Extrusion melt temperature 380 - 420°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-5202LD-HDPE-blow-molding.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D 792
Environmental Stress Crack Resistance	50 hour	50 hour	ASTM D1693 cond. B 10% Igepal
	100 hour	100 hour	ASTM D1693 cond. B 100% Igepal
Melt Flow	0.35 g/10 min	0.35 g/10 min	ASTM D 1238
	@Load 2.16 kg	@Load 4.76 lb	
High Load Melt Index	30 g/10 min	30 g/10 min	ASTM D 1238
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 26.9 MPa	>= 3900 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

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

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