

## Total 50100.1 HDPE blow molding

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

**Material Notes:**

Applications: Agricultural chemical tanks, portable fuel containers, industrial parts, pallets, large foam parts, food packaging. Blow Molding Stock Temperature 370 – 450 °F Extrusion melt temperature 380 - 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-501001-HDPE-blow-molding.php](http://www.lookpolymers.com/polymer_Total-501001-HDPE-blow-molding.php)

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in <sup>3</sup>	ASTM D 792
Environmental Stress Crack Resistance	>= 600 hour	>= 600 hour	ASTM D1693 cond. B 100% Igepal
High Load Melt Index	12 g/10 min @Load 21.6 kg, Temperature 190 °C	12 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 26.2 MPa	>= 3800 psi	ASTM D 638 type IV
Elongation at Break	600 %	600 %	ASTM D 638, type IV
Flexural Modulus	1.21 GPa	175 ksi	ASTM D 790
Izod Impact, Notched	5.34 J/cm @Thickness 3.17 mm	10.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	127 °C	260 °F	ASTM D3417

## Contact Songhan Plastic Technology Co.,Ltd.

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