

Total HDPE MS201 BN-NA High Density Polyethylene - Fuel Tank Resin

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

Material Notes:

Polyethylene: High molecular weight, high density fuel tank resin.Characteristics:Good melt strengthGood impact and creep resistanceExcellent stress cracking resistanceGMP.PE.062 certification.Applications: Automotive fuel tanksInformation provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-HDPE-MS201-BN-NA-High-Density-Polyethylene-Fuel-Tank-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.946 g/cc	0.946 g/cc	ISO 1183
ESCR 100% 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	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527
Elongation at Break	>= 600 %	>= 600 %	ISO 527
Flexural Modulus	1.10 GPa @Strain <=0.400 %	160 ksi @Strain <=0.400 %	ISO 178
Izod Impact, Notched	6.41 J/cm @Thickness 3.17 mm	12.0 ft-lb/in @Thickness 0.125 in	ASTM D256

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

Processing Properties	Metric	English	Comments
Processing Temperature	188 - 232 °C	370 - 450 °F	Blow Molding Stock Temp.

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