

Total HDPE 6280 High Density Polyethylene, Injection Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Characteristics:Excellent stiffnessExcellent surface appearanceGood warp resistanceExcellent impact resistanceASTM D 1248 - Type III, Class A, Category 3FDA CompliantApplications:Dairy cratesPalletsMaterial handling containersTotesTraysSuitable for food packagingInformation provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-HDPE-6280-High-Density-Polyethylene-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.962 g/cc	0.962 g/cc	ASTM D792
ESCR 10% Igepal®	>= 10 hour	>= 10 hour	ASTM D1693, Cond. B
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.1 MPa	4800 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638
Flexural Modulus	1.59 GPa	230 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	129 °C	265 °F	ASTM D3417
Brittleness Temperature	-80.0 °C	-112 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 260 °C	400 - 500 °F	Injection Molding

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