

Ineos J60-800-178 HDPE

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

Material Notes:

A high density polyethylene homopolymer. It has a narrow molecular weight distribution and is intended for the injection molding of screw caps dedicated to the packaging of still and sparkling water. Parts fabricated from this material exhibit a glossy surface finish, and have good impact strength and rigidity. This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-J60-800-178-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.961 g/cc	0.0347 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	3.0 hour	3.0 hour	Cond. B, 10%; ASTM D 1693
Melt Flow	8.5 g/10 min @Load 2.16 kg, Temperature 190 °C	8.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	31.0 MPa	4500 psi	2 in/min.; ASTM D638
Elongation at Break	600 %	600 %	2 in/min.; ASTM D638
Flexural Modulus	1.552 GPa	225.1 ksi	Tangent-Method 1; ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.0 °C	189 °F	ASTM D648
Vicat Softening Point	128 °C	262 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D 746

Descriptive Properties	Value	Comments
Process	Injection	

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