

Ineos J50-200-178 HDPE

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

Material Notes:

A high density polyethylene copolymer. It has a narrow molecular weight distribution and is intended for the molding of screw caps dedicated to the packaging of carbonated beverages. 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-J50-200-178-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	12 hour	12 hour	Condition B, 10%; ASTM D1693
Melt Flow	2.2 g/10 min @Load 2.16 kg, Temperature 190 Â°C	2.2 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	26.9 MPa	3900 psi	2 in/min.; ASTM D638
Elongation at Break	>= 800 %	>= 800 %	2 in/min.; ASTM D638
Flexural Modulus	1.276 GPa	185.1 ksi	Tangent-Method 1; ASTM D790
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	77.0 Â°C	171 Â°F	ASTM D648
Vicat Softening Point	131 Â°C	268 Â°F	ASTM D1525
Brittleness Temperature	<= -75.0 Â°C	<= -103 Â°F	ASTM D 746

Descriptive Properties	Value	Comments
Process	Injection	

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