

Ineos A60-70-162 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Ineos A60-70-162 is a high density polyethylene homopolymer, developed specifically for blow molding food containers on reciprocating screw-type equipment. It exhibits excellent processing characteristics and extremely low odor in the finished container. 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-A60-70-162-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.963 g/cc	0.0348 lb/in ³	ASTM D4883
Melt Flow	0.72 g/10 min	0.72 g/10 min	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength	8.96 MPa	1300 psi	ASTM D638
Tensile Strength, Yield	31.0 MPa	4500 psi	2 in/min (50 mm/min); ASTM D-638
Elongation at Break	600 %	600 %	2 in/min (50 mm/min); ASTM D-638
Flexural Modulus	0.862 GPa	125 ksi	ASTM D747
	1.552 GPa	225.1 ksi	Tangent; ASTM D 790
Izod Impact, Notched (ISO)	7.56 kJ/m ²	3.60 ft-lb/in ²	at -30C; ASTM D256; ASTM D-256
Tensile Impact Strength	208 kJ/m ²	99.0 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	84.0 Â°C	183 Â°F	ASTM D648
Vicat Softening Point	132 Â°C	270 Â°F	ASTM D1525
Brittleness Temperature	<= -75.0 Â°C	<= -103 Â°F	ASTM D746

Descriptive Properties	Value	Comments
Process	Blow Molding	
Region	US & Canada	Bamberger Polymers Distribution

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