

Ineos B54-25H-127 HDPE

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

Material Notes:

B54-25H-127 is a high density polyethylene copolymer developed for blow molding. It is recommended for use in applications which require a combination of high top load strength and good environmental stress crack resistance (ESCR). This material contains a fully FDA sanctioned antistat and meets Food and Drug Administration requirements of 21CFR 177.1520.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-B54-25H-127-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D4883
Melt Flow	0.35 g/10 min	0.35 g/10 min	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	27.6 MPa	4000 psi	2 in/min (50 mm/min); ASTM D-638
Elongation at Break	700 %	700 %	2 in/min (50 mm/min); ASTM D-638
Modulus of Elasticity	1.497 GPa	217.1 ksi	ASTM D638
Flexural Modulus	0.690 GPa	100 ksi	ASTM D747
	1.241 GPa	180.0 ksi	Tangent; ASTM D 790
Izod Impact, Notched	1.90 J/cm	3.56 ft-lb/in	ASTM D256
Tensile Impact Strength	277 kJ/m ²	132 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.0 Â°C	165 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 D746

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

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