

Ineos HP55-25-155 HDPE

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

Material Notes:

A high performance high density polyethylene copolymer developed for blow molding. It is recommended for use in continuous extrusion blowmolding equipment, specifically where applications require excellent environmental stress crack resistance (ESCR). 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-HP55-25-155-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D4883
Melt Flow	0.22 g/10 min @Load 2.16 kg, Temperature 190 °C	0.22 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	27.6 MPa	4000 psi	2 in/min.; ASTM D638
Elongation at Break	>= 700 %	>= 700 %	2 in/min.; ASTM D638
Flexural Modulus	1.034 GPa	150.0 ksi	2% Secant; ASTM D790
	1.262 GPa	183.0 ksi	Tangent-Method 1; ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256
Tensile Impact Strength	233 kJ/m ²	111 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.0 °C	165 °F	ASTM D648
Vicat Softening Point	129 °C	264 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D 746

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China