

Ineos K54-05 HDPE

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

Material Notes:

K54-05 is a high molecular weight, high density polyethylene copolymer developed for large-part blow molding (drum market) where the finished product demands outstanding physical performance. This material combines excellent processability and environmental stress crack resistance (ESCR) with superior impact and other well-balanced end use properties. This resin meets the Food and Drug Administration requirements of 21CFR 177.1520 for contact with food.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-K54-05-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D4883
High Load Melt Index	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Yield	27.0 MPa	3920 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	900 %	900 %	2 in/min (50 mm/min); ASTM D638
Flexural Modulus	1.241 GPa	180.0 ksi	Tangent; ASTM D 570
Izod Impact, Notched	8.50 J/cm	15.9 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.0 Â°C	169 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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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