

Ineos K46-06-185 HDPE

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

Material Notes:

K46-06-185 is a natural high molecular weight, high-density copolymer polyethylene developed for automotive fuel tanks. It combines excellent processability and outstanding physical performance, particularly environmental stress crack resistance (ESCR) and impact properties. Its high melt strength aids the continuous extrusion production of multi-layer tanks.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-K46-06-185-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in ³	ASTM D4883
High Load Melt Index	4.2 g/10 min	4.2 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Yield	23.4 MPa	3390 psi	2 in/min.; ASTM D638
Elongation at Break	800 %	800 %	2 in/min.; ASTM D638
Flexural Modulus	0.820 GPa	119 ksi	2% Secant; ASTM D790
Izod Impact, Notched	3.75 J/cm	7.03 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	69.0 Â°C	156 Â°F	ASTM D648
Vicat Softening Point	129 Â°C	264 Â°F	ASTM D1525
Brittleness Temperature	<= -75.0 Â°C	<= -103 Â°F	ASTM D746

Descriptive Properties	Value	Comments
Process	Extrusion	
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