

NIZHNEKAMSKNEFTEKHIM PE 4148B (484H2) High Density Polyethylene

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

Material Notes:

Product obtained by gas phase polymerization of ethylene in presence of complex metalorganic catalysts. Information provided by manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_NIZHNEKAMSKNEFTEKHIM-PE-4148B-484H2-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.946 - 0.950 g/cc	0.0342 - 0.0343 lb/in ³	Base Resin; ASTM D1505
Melt Flow	0.15 - 0.30 g/10 min	0.15 - 0.30 g/10 min	ASTM D1283/L
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	3.0 - 6.0 g/10 min	3.0 - 6.0 g/10 min	Flow@21.6kg/Flow@2.16kg ratio < 20; ASTM D1283
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	>= 52.0 MPa	>= 7540 psi	ASTM D882
Film Tensile Strength at Yield, TD	>= 48.0 MPa	>= 6960 psi	ASTM D882
Film Elongation at Break, MD	>= 480 %	>= 480 %	ASTM D882
Film Elongation at Break, TD	>= 600 %	>= 600 %	ASTM D882
Tensile Modulus	>= 0.650 GPa	>= 94.3 ksi	2% sec, TD; ASTM D882
	>= 0.700 GPa	>= 102 ksi	2% sec, MD; ASTM D882
Elmendorf Tear Strength, MD	>= 0.512 g/micron	>= 13.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	>= 2.36 g/micron	>= 60.0 g/mil	ASTM D1922
Dart Drop Test	>= 170 g	>= 0.375 lb	ASTM D1709

Descriptive Properties	Value	Comments
Gel Content (pcs./m ²)	600	

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