

NIZHNEKAMSKNEFTEKHIM PE 4850B (504H3) 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-4850B-504H3-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.948 - 0.952 g/cc	0.0342 - 0.0344 lb/in ³	Base Resin; ASTM D1505
Environmental Stress Crack Resistance	750 hour	750 hour	ASTM D1693
Melt Flow	0.20 - 0.35 g/10 min @Load 2.16 kg, Temperature 190 °C	0.20 - 0.35 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1283/L
	10 - 17.5 g/10 min @Load 21.6 kg, Temperature 190 °C	10 - 17.5 g/10 min @Load 47.6 lb, Temperature 374 °F	Flow@21.6kg/Flow@2.16kg ratio > 50; ASTM D1283

Mechanical Properties	Metric	English	Comments
Flexural Modulus	>= 1.00 GPa	>= 145 ksi	ASTM D790
Izod Impact, Notched	>= 2.00 J/cm @Temperature 23.0 °C	>= 3.75 ft-lb/in @Temperature 73.4 °F	ASTM D256

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