

NIZHNEKAMSKNEFTEKHIM PE 4052U (52411) 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-4052U-52411-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.950 - 0.954 g/cc	0.0343 - 0.0345 lb/in ³	Base Resin; ASTM D1505
Melt Flow	9.0 - 13 g/10 min	9.0 - 13 g/10 min	ASTM D1283/L
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	270 - 390 g/10 min	270 - 390 g/10 min	Flow@21.6kg/Flow@2.16kg ratio < 30; ASTM D1283
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Flexural Modulus	>= 1.25 GPa	>= 181 ksi	ASTM D790
Izod Impact, Notched	>= 0.520 J/cm	>= 0.974 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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