

## NIZHNEKAMSKNEFTEKHIM PE 6348K (486F3) 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-6348K-486F3-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_NIZHNEKAMSKNEFTEKHIM-PE-6348K-486F3-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.946 - 0.950 g/cc	0.0342 - 0.0343 lb/in <sup>3</sup>	Base Resin; ASTM D1505
Melt Flow	0.20 - 0.40 g/10 min	0.20 - 0.40 g/10 min	ASTM D1283/L
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	10 - 20 g/10 min	10 - 20 g/10 min	Flow@21.6kg/Flow@2.16kg ratio > 50; 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	>= 2.00 J/cm	>= 3.75 ft-lb/in	ASTM D256

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.3	2.3	ASTM D150

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