

## NIZHNEKAMSKNEFTEKHIM PE 6433R (32604) Medium Density Polyethylene

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

**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-6433R-32604-Medium-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_NIZHNEKAMSKNEFTEKHIM-PE-6433R-32604-Medium-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.930 - 0.934 g/cc	0.0336 - 0.0337 lb/in <sup>3</sup>	Base Resin; ASTM D1505
Melt Flow	3.5 - 4.5 g/10 min	3.5 - 4.5 g/10 min	ASTM D1283/L
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	98 - 126 g/10 min	98 - 126 g/10 min	Flow@21.6kg/Flow@2.16kg ratio > 28; ASTM D1283
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Flexural Modulus	>= 0.620 GPa	>= 89.9 ksi	ASTM D790
Izod Impact, Notched	>= NB	>= NB	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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