

NIZHNEKAMSKNEFTEKHIM PE 4441R (40404) 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-4441R-40404-Medium-Density-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------------------------------|--------------------------------------|--|
| Density | 0.938 - 0.942 g/cc | 0.0339 - 0.0340 lb/in ³ | 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 | >= 0.850 GPa | >= 123 ksi | ASTM D790 |
| Izod Impact, Notched | >= NB | >= NB | ASTM D256 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

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