

Iran Petrochemical (PCC) 52528 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

52528 is a HDPE copolymer injection molding grade for thin walled applications requiring a good balance between high flowability and physical properties. Application: caps, thin walled, injection molding grade. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-52528-High-Density-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Density | 0.952 g/cc | 0.0344 lb/in ³ | ASTM D1505 |
| Melt Flow | 28 g/10 min @Load 2.16 kg, Temperature 190 °C | 28 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|------------|----------------|-------------|
| Flexural Modulus | 1.38 GPa | 200 ksi | ASTM D790 |
| Izod Impact, Notched | 0.210 J/cm | 0.393 ft-lb/in | ASTM D256/A |

| Thermal Properties | Metric | English | Comments |
|-----------------------|--------|---------|------------|
| Vicat Softening Point | 120 °C | 248 °F | ASTM D1525 |

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