

ExxonMobil HD 6714.17 Injection Molding Resin (discontinued **)

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

Material Notes:

HD 6714 is a narrow molecular weight hexene copolymer designed for outstanding processability to maximize injection molding productivity. This resin is ideally suited for thin wall multicavity parts. Lower processing temperatures enable production of products free of taste and odor for food and beverage packaging. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HD-671417-Injection-Molding-Resin-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------------------------|---|---|--------------------------|
| Density | 0.951 g/cc | 0.0344 lb/in ³ | ASTM D4883 |
| Environmental Stress Crack Resistance | <= 3.0 hour | <= 3.0 hour | Cond. B, 10%; ASTM D1693 |
| Melt Flow | 14 g/10 min @Load 2.16 kg, Temperature 190 °C | 14 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--|--|----------------------|
| Tensile Strength, Yield | 22.9 MPa | 3320 psi | ASTM D638 |
| Elongation at Break | 61 % | 61 % | ASTM D638 |
| Flexural Modulus | 0.8081 GPa | 117.2 ksi | 1% Secant; ASTM D790 |
| Izod Impact, Notched | 0.603 J/cm @Temperature -40.0 °C | 1.13 ft-lb/in @Temperature -40.0 °F | ASTM D256 |
| Tensile Impact Strength | 332 kJ/m ² @Temperature -40.0 °C | 158 ft-lb/in ² @Temperature -40.0 °F | ASTM D1822 |

| Thermal Properties | Metric | English | Comments |
|---|-------------|-------------|------------|
| Melting Point | 131 °C | 268 °F | ASTM D3418 |
| Crystallization Temperature | 114 °C | 237 °F | ASTM D3418 |
| Deflection Temperature at 0.46 MPa (66 psi) | 67.0 °C | 153 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 38.0 °C | 100 °F | ASTM D648 |
| Brittleness Temperature | <= -70.0 °C | <= -94.0 °F | ASTM D746 |

| Descriptive Properties | Value | Comments |
|------------------------|---|----------|
| Features | Standard Processing Antioxidants Stabilizer | |
| Form | Pellet | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China