

Ineos J50-1000-178 HDPE

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

Material Notes:

A high density polyethylene copolymer intended for the injection molding of closures for beverages. Because of its high purity and excellent organoleptic properties, this grade is certified as low taste and is intended for packaging in direct contact with beverages. This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-J50-1000-178-HDPE.php

| Physical Properties | Metric | English | Comments |
|---------------------------------------|---|---|--------------|
| Density | 0.951 g/cc | 0.0344 lb/in ³ | ASTM D4883 |
| Environmental Stress Crack Resistance | 4.0 hour | 4.0 hour | ASTM D 1693A |
| Melt Flow | 11 g/10 min @Load 2.16 kg, Temperature 190 °C | 11 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|----------------|----------------------------------|
| Hardness, Shore D | 65 | 65 | ASTM D2240 |
| Tensile Strength, Yield | 25.5 MPa | 3700 psi | 2 in/min (50 mm/min); ASTM D-638 |
| Elongation at Break | >= 500 % | >= 500 % | 2 in/min (50 mm/min); ASTM D-638 |
| Flexural Modulus | 1.207 GPa | 175.1 ksi | Tangent; ASTM D 790 |
| Izod Impact, Notched | 0.500 J/cm | 0.937 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|-------------|------------|------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 77.0 °C | 171 °F | ASTM D648 |
| Vicat Softening Point | 128 °C | 262 °F | ASTM D1525 |
| Brittleness Temperature | <= -75.0 °C | <= -103 °F | ASTM D746 |

| Descriptive Properties | Value | Comments |
|------------------------|-------------------|---------------------------------|
| Process | Injection Molding | |
| Region | US & Canada | Bamberger Polymers Distribution |

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