

Borealis FT3200 Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

FT3200 is a Low Density Polyethylene for Film Extrusion. Applications heavy-duty bags, shrink film, construction films, and agricultural films. FT3200 contains no additives. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-FT3200-Low-Density-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|----------|
| Density | 0.920 g/cc | 0.0332 lb/in ³ | ISO 1183 |
| Melt Flow | 0.25 g/10 min @Load 2.16 kg, Temperature 190 °C | 0.25 g/10 min @Load 4.76 lb, Temperature 374 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|---------------|------------|--------------------|
| Film Elongation at Break, MD | 400 % | 400 % | ISO 527-3 |
| Film Elongation at Break, TD | 600 % | 600 % | ISO 527-3 |
| Tensile Modulus | 0.160 GPa | 23.2 ksi | MD/TD; ASTM D882-A |
| Puncture Energy | 7.00 J | 5.16 ft-lb | 170N; ASTM D5748 |
| Coefficient of Friction | 0.70 | 0.70 | Dynamic; ISO 8295 |
| Elmendorf Tear Strength, MD | 3.26 g/micron | 82.8 g/mil | ISO 6383/2 |
| Elmendorf Tear Strength, TD | 5.71 g/micron | 145 g/mil | ISO 6383/2 |
| Dart Drop Test | 500 g | 1.10 lb | ISO 7765-1 |
| Film Tensile Strength at Break, MD | 25.0 MPa | 3630 psi | ISO 527-3 |
| Film Tensile Strength at Break, TD | 26.0 MPa | 3770 psi | ISO 527-3 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------|---------|-------------|
| Melting Point | 110 °C | 230 °F | ISO 11357-3 |
| Vicat Softening Point | 92.0 °C | 198 °F | ISO 306 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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