

LyondellBasell Montell 0800 Polybutene

Category : Polymer , Thermoplastic , Polybutene

Material Notes:

Key Features: highly isotactic, semi-crystalline homopolymer, good creep resistance, good environmental crack resistance, miscible with polypropylenes, FDA acceptable

Applications: concrete carrier Meets FDA requirements in 21 CFR 175.105 for indirect food contact.

Description: Polybutene-1 PB 0800 is a highly isotactic, semi-crystalline homopolymer which can be used where creep resistance, environmental stress crack resistance and elevated temperature performance are key requirements. This polymer is miscible with polypropylenes due to its similar molecular structure. In blends with polyethylenes it is immiscible but easily dispersible. It is mainly used as a concentrate carrier and in hot adhesives where service temperatures, high strength and/or long open time are required. This copolymer meets FDA requirements for direct food contact under regulation 21 CFR 177.1570. Information provided by Montell

Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Montell-0800-Polybutene.php

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in ³	ASTM D1505
ESCR 10% Igepal [®]	>= 15000 hour @Temperature 50.0 °C	>= 15000 hour @Temperature 122 °F	No Failure after 15,000 hours; Igepal CO630; ASTM D1693
Melt Flow	200 g/10 min	200 g/10 min	ISO 1133-1981E

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 22.0 MPa	>= 3190 psi	ISO 1184-1983E
Tensile Strength, Yield	13.8 MPa	2000 psi	ISO 1184-1983E
Elongation at Break	>= 300 %	>= 300 %	ISO 1184-1983E
Modulus of Elasticity	0.241 GPa	35.0 ksi	ISO 1184-1983E

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	DSC
Vicat Softening Point	116 °C	241 °F	(Ring and Ball) ASTM E28
Brittleness Temperature	-18.0 °C	-0.400 °F	ASTM D746

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