

BASF Ecoflex® 1200 F Blend Biodegradable Polyester

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyester, TP

Material Notes:

Description: A flexible plastic designed for film extrusion and extrusion coating. Ecoflex® F Blend 1200 comes closer than any other biodegradable plastic to the processing properties of LDPE and LLDPE. Blown film extrusion is a particular area where Ecoflex® F shows well-balanced processing properties, and the resin can also be used in extrusion coating applications. Ecoflex® F requires no predrying prior to extrusion. Antiblock and Slip additives are recommended and are available from BASF. **Applications:** Ecoflex® F Blend 1200 can be used for applications such as compost bags, trash bags, carrier bags, bags for fruits and vegetables, general packaging films, agricultural films, and laminating films for trays made from natural materials. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ecoflex-1200-F-Blend-Biodegradable-Polyester.php

Physical Properties	Metric	English	Comments
Density	1.25 - 1.27 g/cc	0.0452 - 0.0459 lb/in³	ISO 1183
Melt Flow	2.7 - 4.9 g/10 min	2.7 - 4.9 g/10 min	ISO 1133
Surface Tension	34 dynes/cm	34 dynes/cm	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	32	32	ISO 868
Tensile Strength	34.0 MPa	4930 psi	ISO 527
Film Elongation at Break, MD	560 %	560 %	ISO 527
Film Elongation at Break, TD	700 %	700 %	ISO 527
Dart Drop Total Energy	2.40 J/cm	0.00450 ft-lb/mil	DIN 53373

Thermal Properties	Metric	English	Comments
Melting Point	110 - 120 °C	230 - 248 °F	DSC
Vicat Softening Point	80.0 °C	176 °F	A/50; ISO 306

Optical Properties	Metric	English	Comments
Transmission, Visible	82 %	82 %	ASTM D1003

Descriptive Properties	Value	Comments
Commercial Status	Europe	

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