

BecauseWeCare BF90 Biodegradable Plastic

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic

Material Notes:

Biodegradable and compostable product produced from corn and developed to break down within weeks in a compost environment, without leaving any harmful residues in the process. Certified to the various worldwide standards of compostability including the Australian Standard AS4736-2006, the European Standard EN13432-2000 and the American Standard ASTM D6400-2004. Good Izod impact strength. Used for bags and film, can be customized for clients. Information provided by BecauseWeCare Pty Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BecauseWeCare-BF90-Biodegradable-Plastic.php

Physical Properties	Metric	English	Comments
Density	1.15 - 1.20 g/cc	0.0415 - 0.0434 lb/in ³	
Melt Flow	1.5 - 6.0 g/10 min @Load 2.16 kg, Temperature 200 °C	1.5 - 6.0 g/10 min @Load 4.76 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	25.0 MPa	3630 psi	100 mm/min; ASTM D638
Elongation at Break	453 %	453 %	100 mm/min; ASTM D638

Processing Properties	Metric	English	Comments
Processing Temperature	<= 160 °C	<= 320 °F	Limit
Rear Barrel Temperature	120 - 125 °C	248 - 257 °F	
Middle Barrel Temperature	123 - 128 °C	253 - 262 °F	
Front Barrel Temperature	115 - 120 °C	239 - 248 °F	
Melt Temperature	115 - 120 °C	239 - 248 °F	
Mold Temperature	120 - 125 °C	248 - 257 °F	

Descriptive Properties	Value	Comments
Injection Speed	Slow to Moderate	

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