

Breplast Bretene SP Polypropylene / Polyethylene Composite

Category : Polymer , Thermoplastic , Polyethylene (PE) , Polypropylene (PP)

Material Notes:

Recovered polypropylene and polyethylene composite Information provided by Breplast S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Breplast-Bretene-SP-Polypropylene-Polyethylene-Composite.php

Physical Properties	Metric	English	Comments
Density	>= 0.930 g/cc	>= 0.0336 lb/in ³	ISO 1183-1
Melt Flow	1.0 - 2.0 g/10 min	1.0 - 2.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	3.0 - 5.0 g/10 min	3.0 - 5.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	5.00 MPa	725 psi	ISO 527
Tensile Strength, Yield	4.00 MPa	580 psi	ISO 527
Elongation at Break	58 %	58 %	ISO 527
Flexural Strength	22.0 MPa	3190 psi	ISO 178
Flexural Modulus	0.868 GPa	126 ksi	ISO 178
Izod Impact, Notched	0.0800 J/cm	0.150 ft-lb/in	ISO 180

Thermal Properties	Metric	English	Comments
Vicat Softening Point	123 °C	253 °F	A50; ISO 306

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