

Ravago Manufacturing Americas Echo® RPPC 20/10 BK Recycled Polypropylene

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Copolymer Polypropylene, Unreinforced, 20 MFI, 10 Izod, BlackEntecs proprietary products include a full range of compounds in the Nylon 6/6, Nylon 6, ABS, PBT, Polycarbonate, PC/ABS, PC/ASA, PC/PBT, and PPO/PPE resin families. Information provided by Entec.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Echo-RPPC-2010-BK-Recycled-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D792
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	240 %	240 %	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Strength	18.0 MPa	2610 psi	50N; ASTM D790
Flexural Modulus	0.848 GPa	123 ksi	1% Secant; ASTM D790
Izod Impact, Notched	5.33 J/cm	9.99 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 22.8 °C	@Thickness 0.125 in, Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C	163 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	46.0 °C	115 °F	ASTM D648
Vicat Softening Point	59.0 °C	138 °F	ASTM D 1525

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