

Ravago Manufacturing Americas Echo® RPPC 20/2 BK Recycled Polypropylene

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

Material Notes:

Copolymer Polypropylene, Unreinforced, 20 MFI, 2 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 Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Echo-RPPC-202-BK-Recycled-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Specific Gravity | 0.955 g/cc | 0.955 g/cc | ASTM D792 |
| Melt Flow | 20 g/10 min @Load 2.16 kg, Temperature 230 °C | 20 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---|--|----------------------|
| Tensile Strength, Yield | 21.0 MPa | 3050 psi | ASTM D638 |
| Elongation at Break | 28 % | 28 % | ASTM D638 |
| Elongation at Yield | 7.0 % | 7.0 % | ASTM D638 |
| Tensile Modulus | 0.951 GPa | 138 ksi | ASTM D638 |
| Flexural Strength | 23.0 MPa | 3340 psi | ASTM D790 |
| Flexural Modulus | 1.034 GPa | 150.0 ksi | 1% Secant; ASTM D790 |
| Izod Impact, Notched | 1.07 J/cm @Thickness 3.17 mm, Temperature 22.8 °C | 2.00 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 76.0 °C | 169 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 48.0 °C | 118 °F | ASTM D648 |
| Vicat Softening Point | 68.0 °C | 154 °F | 50N; ASTM D1525 |

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