

Ravago Compounds PP-4292

Polypropylene Impact Copolymer

Ravago Manufacturing Americas, LLC

Message:

Key Features:

Polypropylene Impact Copolymer

UL Recognition listing - UL-94 V2

Designed for Injection molded applications

Good balance of processability and physical properties

| General Information | | | |
|--|---|-------------------|-------------|
| Features | Impact copolymer Workability, good Flame retardancy | | |
| UL File Number | E141240 | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.946 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 16 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 23°C) | 24.1 | MPa | ASTM D638 |
| Tensile Elongation (Yield, 23°C) | 10 | % | ASTM D638 |
| Flexural Modulus - Tangent (23°C) | 1100 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 100 | J/m | ASTM D256 |
| Dart Drop Impact ¹ (23°C) | > 36.2 | J | ASTM D5420 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Annealed) | 139 | °C | ASTM D648 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.57 mm) | V-2 | | UL 94 |
| Oxygen Index | 28 | % | ASTM D2863 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 71.1 - 93.3 | °C | |
| Drying Time | 0.0 - 8.0 | hr | |
| Rear Temperature | 177 - 216 | °C | |
| Middle Temperature | 177 - 216 | °C | |
| Front Temperature | 171 - 216 | °C | |
| Nozzle Temperature | 182 - 216 | °C | |

| | | |
|------------------|--------------|-----|
| Mold Temperature | 26.7 - 60.0 | °C |
| Back Pressure | 0.00 - 0.689 | MPa |
| Screw Speed | 50 - 150 | rpm |

Injection instructions

Hot Runner: 380 to 450°F

NOTE

1. Geometry GB

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