



Ravapura® PS 5012

Ravago Manufacturing Europe - High Impact Polystyrene

General Information

Product Description

PS compound based on Post Consumer Recycled materials, containing minimum 50% PCR.

General

| | |
|------------------|----------------------------|
| Material Status | • Commercial: Active |
| Availability | • Europe |
| Recycled Content | • Post-Consumer (PCR), 50% |
| Features | • High Impact Resistance |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-----------------|
| Density | 1.07 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 12 | g/10 min | ISO 1133 |
| Molding Shrinkage | 0.40 to 0.70 | % | Internal Method |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 2000 | MPa | ISO 527-1 |
| Tensile Stress (Yield, 23°C) | 18.5 | MPa | ISO 527-2 |
| Tensile Stress (Break, 23°C) | 18.0 | MPa | ISO 527-2 |
| Tensile Strain (Break, 23°C) | 45 | % | ISO 527-2 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength (23°C) | 8.0 | kJ/m ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 85.0 | °C | ISO 306/B50 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 1.6 mm | | HB | |
| 3.2 mm | | HB | |

Notes

¹ Typical properties: these are not to be construed as specifications.