



Sicostirolo® CR H 3441

Ravago Manufacturing Europe - High Impact Polystyrene

General Information

Product Description

High impact polystyrene, natural

General

| | |
|-----------------|--------------------------|
| Material Status | • Commercial: Active |
| Availability | • Europe |
| Features | • High Impact Resistance |
| Appearance | • Natural Color |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|----------------|
| Density | 1.05 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 7.0 | g/10 min | ISO 1133 |
| Molding Shrinkage - Flow | 0.40 to 0.70 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 20.0 | MPa | ISO 527-2 |
| Tensile Stress (Break) | 16.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 30 | % | ISO 527-2 |
| Flexural Modulus | 2000 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength (23°C) | 7.0 | kJ/m ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Annealed) | 70.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | | | |
| -- | 82.0 | °C | ISO 306/B50 |
| -- | 90.0 | °C | ISO 306/A50 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+15 | ohms | IEC 60093 |
| Volume Resistivity | 1.0E+15 | ohms·cm | IEC 60093 |
| Electric Strength (1.00 mm, in Oil) | 60 | kV/mm | IEC 60243-1 |
| Comparative Tracking Index | 500 | V | IEC 60112 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 1.6 mm | | HB | |
| 3.2 mm | | HB | |
| Glow Wire Flammability Index (2.0 mm) | 550 | °C | IEC 60695-2-12 |

Notes

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