Ravapura® PS 4007GW

Ravago Manufacturing Europe - High Impact Polystyrene

General Information

Product Description

Hybrid HIPS compound with 40% minimum PCR content (Post Consumer Recycled), FlameRetardant injection molding grade, designed for E&E application, superior aesthetical properties, available only in selected colors BQA_QA-CER_C_20221146

General		
Material Status	• Commercial: Active	
Availability	• Europe	
Additive	• Flame Retardant	
Recycled Content	• Post-Consumer (PCR), 40%	
Features	• Flame Retardant	• High Impact Resistance
Uses	• Electrical/Electronic Applications	
Processing Method	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2850	MPa	ISO 527-1
Tensile Stress (Yield, 23°C)	26.0	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	20.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	20	%	ISO 527-2
Flexural Modulus (23°C)	2450	MPa	ISO 178
Flexural Stress (23°C)	45.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (23°C)	6.0	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	95.0	°C	ISO 306/B50
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Flammability	**Nominal Value**	**Unit**	**Test Method**
Glow Wire Flammability Index (2.0 mm)	850	°C	IEC 60695-2-12

Notes

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