

Technical Data Sheet

RONFALIN® RHG12

Acrylonitrile Butadiene Styrene + Acrylic (PMMA)
Engineering Plastics

General			
Features	• High Gloss		
Uses	• Television Housings		
RoHS Compliance	• RoHS Compliant		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.10 g/cm ³	1.10 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	12 g/10 min	12 g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60 %	0.40 to 0.60 %	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	7250 psi	50.0 MPa	ISO 527-2/50
Flexural Modulus	392000 psi	2700 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength	3.8 ft·lb/in ²	8.0 kJ/m ²	ISO 180/1A
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	203 °F	95.0 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	203 °F	95.0 °C	ISO 75-2/A
Vicat Softening Temperature	207 °F	97.0 °C	ISO 306/B50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

Notes

These are typical property values not to be construed as specification limits.