

Technical Data Sheet

SCHULAREC ABS 1013 - C

Acrylonitrile Butadiene Styrene

Product Description

Recycled medium impact ABS produced from Post Consumer sources. ABS 1013 is suitable for injection moulding applications.

General

Processing Method	• Injection Molding
Resin ID (ISO 1043)	• ABS

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density	1.05 g/cm ³	1.05 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
220°C/10.0 kg	20 g/10 min	20 g/10 min	
230°C/3.8 kg	6.0 g/10 min	6.0 g/10 min	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Stress (Yield)	5800 psi	40.0 MPa	ISO 527-2/1A/50
Flexural Modulus	363000 psi	2500 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact Strength	3.8 ft·lb/in ²	8.0 kJ/m ²	ISO 180
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Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	176 °F	80.0 °C	
Vicat Softening Temperature	203 °F	95.0 °C	ISO 306/B50

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
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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

Additional Information

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications

Notes

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