

Technical Data Sheet

SCHULAREC POM 9 C

Acetal (POM) Copolymer

Product Description

easy flow POM, elevated modulus

General

Features	• Good Flow
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• POM

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density	1.40 g/cm ³	1.40 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	15 cm ³ /10min	15 cm ³ /10min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Modulus	392000 psi	2700 MPa	ISO 527-2/1
Tensile Stress (Yield)	7980 psi	55.0 MPa	ISO 527-2/50
Tensile Strain (Yield)	7.0 %	7.0 %	ISO 527-2/50

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Charpy Notched Impact Strength (73°F (23°C))	2.4 ft·lb/in ²	5.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	76 ft·lb/in ²	160 kJ/m ²	ISO 179

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
Flammability Classification ¹			IEC 60695-11-10, -20
0.06 in (1.5 mm)	HB	HB	

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 °F	100 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Suggested Max Regrind	20 %	20 %
Processing (Melt) Temp	392 to 410 °F	200 to 210 °C
Mold Temperature	140 to 248 °F	60 to 120 °C