

SCHULAFORM® 9 C

Acetal (POM) Copolymer

A. Schulman Europe

Message:

easy flow POM, elevated modulus

General Information			
Features	Good liquidity		
Processing Method	Injection molding		
Resin ID (ISO 1043)	POM		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	11.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	147	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2950	MPa	ISO 527-2/1
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	110	°C	ISO 75-2/A
Vicat Softening Temperature			
--	162	°C	ISO 306/A50
--	146	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms · cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate (2.00 mm)	54	mm/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
1.5 mm	HB		IEC 60695-11-10, -20
3.0 mm	HB		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
1.5 mm	650	°C	IEC 60695-2-12
3.0 mm	625	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.5 mm	675	°C	IEC 60695-2-13
3.0 mm	650	°C	IEC 60695-2-13

Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.040 - 0.10	%
Suggested Max Regrind	20	%
Processing (Melt) Temp	200 - 210	°C
Mold Temperature	60 - 120	°C

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

