

SCHULAFORM® 9 A

Acetal (POM) Copolymer

A. Schulman Europe

Message:

Standard POM

General Information			
UL YellowCard	E86615-623608		
UL File Number	E86615		
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)	8.50	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	2670	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	11	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength ¹			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	152	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	98.0	°C	ISO 75-2/Af
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
1.50 mm	HB		
3.00 mm	HB		
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	650	°C	
3.00 mm	625	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	675	°C	
3.00 mm	650	°C	
NOTE			
1.	at 4 J-pendulum		

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