

SCHULAFORM® 9 B AR

Acetal (POM) Copolymer

A. Schulman Europe

Message:

Acid resistant POM (polyacetal resin)

General Information			
Features	Good Flow		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm³	ASTM D792
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	14.0	cm³/10min	ASTM D1238
Water Absorption (Equilibrium, 23°C, 60%)	0.21	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	58.0	MPa	ASTM D638
Tensile Elongation (Break)	56	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	92.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	159	°C	
1.8 MPa, Unannealed	109	°C	
Vicat Softening Temperature	163	°C	ASTM D1525 ¹
NOTE			

1. Rate A (50°C/h), Loading 2 (50 N)

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