

SCHULAFORM® 9 A TF 10

Acetal (POM) Copolymer

A. Schulman Europe

Message:

10% PTFE modified polyoxymethylene

General Information			
Uses	Agricultural Applications		
	Building Materials		
	Electrical/Electronic Applications		
	Garden Hose		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	7.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	135	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	57.0	MPa	
Break	56.0	MPa	
Tensile Strain (Yield)	9.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.0	kJ/m²	
23°C	9.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	91	kJ/m²	
23°C	95	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	155	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	98.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	163	°C	ISO 306/A50
--	142	°C	ISO 306/B50

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+14	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	625	°C	
3.00 mm	625	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	650	°C	
3.00 mm	650	°C	
Flammability	26	mm/min	FMVSS 302

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