SCHULAFORM® 9 D LE NATURAL

Acetal (POM) Copolymer

A. Schulman Europe

Message:

Easy flow Polyoxymethylene grade with low emissions for automotive applications

General Information			
Features	Low volatilization Good liquidity		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.41	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	21.0	cm³/10min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	137	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2800	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	62.0	MPa	ISO 527-2/1A/50
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	7.0	kJ/m²	ISO 179/1eA
23°C	8.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	94.0	°C	ISO 75-2/Af
Vicat Softening Temperature	147	°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
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Emission of Organic Compounds			
VDA 277, TVOC (total organic compounds)		µgC/g	VDA 277
VDA 278, Fog (condensable compounds)		µgC/g	VDA 278

VDA 278, VOC (volatile organic compounds)		µgC/g	VDA 278
Formaldehyde Emissions		mg/kg	VDA 275
Odor	3.00		VDA 270

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

Recommended distributors for this material

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