

SCHULAFORM® 9D DB LE BLACK

Acetal (POM) Copolymer

A. Schulman Europe

Message:

Easy flow Polyoxymethylene grade with low emissions for automotive applications (dry blend)

General Information			
Features	Low volatilization		
	Good liquidity		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Resin ID (ISO 1043)	POM-C		
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)	26.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	145	°C	ISO 75-2/Bf
1.8 MPa, not annealed	100	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	162	°C	ISO 306/A50
--	150	°C	ISO 306/B50
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	3.50		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

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Recommended distributors for this material

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

