

Star L POM DW1

Acetal (POM) Copolymer
Eurostar Engineering Plastics

Message:

Star L POM DW1 is a Lubricated, POM Copolymer Injection Molding Resin. Low Wear and Low Noise when Sliding against Metals and Plastics (Experimental)

General Information			
Additive	Lubricant		
Features	Copolymer		
	Good wear resistance		
	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
shrinkage-Flow (4.00 mm)	2.8 - 3.4	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	55.0	MPa	ISO 527-2
Tensile Strain (Break)	> 20	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	6.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	65	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed, 100 mm Span)	152	°C	ISO 75-2/Be
Melting Temperature (DSC)	170	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	180 - 190	°C	
Middle Temperature	180 - 190	°C	
Front Temperature	180 - 200	°C	
Processing (Melt) Temp	180 - 200	°C	
Mold Temperature	60 - 100	°C	
Injection instructions			
Screw Speed: Moderate			
NOTE			

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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

