

Star L POM D51

Acetal (POM) Copolymer
Eurostar Engineering Plastics

Message:
Star L POM D51 is a PTFE Lubricated, POM Copolymer Injection Molding Resin

General Information			
Additive	PTFE lubricant		
Features	Copolymer		
	Lubrication		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	2.2 - 2.4	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	13	%	ISO 527-2
Flexural Modulus	2050	MPa	ISO 178
Flexural Stress	64.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹ (23°C)	4.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	33	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (0.45 MPa, Unannealed, 100 mm Span)	140	°C	ISO 75-2/Be
Melting Temperature (DSC)	170	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°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	60.0 - 100	°C	
Injection instructions			
Screw Speed: Moderate			
NOTE			

1.	80*10*4
2.	80*10*4
3.	120*10*4

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