

Megalon® 100L

Polyamide 66
Mega Polymers

Message:

Megalon® 100L is a general purpose, lubricated, polyamide 6/6 molding resin used for injection molding applications.

General Information			
Additive	Lubricant		
Features	General Purpose		
	Lubricated		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage	1.5 to 3.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress (Yield)	82.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.5	kJ/m ²	
23°C	5.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	200	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Melting Temperature	263	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	277 to 304	°C	

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Recommended distributors for this material

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