

Megalon® 230L-BK

Polyamide 6

Mega Polymers

Message:

Megalon® 230L is a 30% glass fiber reinforced nylon 6 offering an excellent balance of high temperature performance, dimensional stability, tensile strength and impact resistance. Type-6 nylons typically offer easier processing and superior cosmetic appearance versus type-6/6 nylon.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Lubricant		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	High Tensile Strength		
	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	165	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8890	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	207	°C	ASTM D648
Peak Melting Temperature	218	°C	ASTM D3418
Injection	Nominal Value	Unit	
Suggested Max Moisture	0.14	%	
Processing (Melt) Temp	246 to 288	°C	
Mold Temperature	65.6 to 98.9	°C	

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Recommended distributors for this material

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