

OmniLon™ PA6 IM20

Polyamide 6

OMNI Plastics, LLC

Message:

Super High Impact Resistant, Nylon 6

General Information			
Features	High Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	48.3	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	71.1	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	238 to 282	°C	
Middle Temperature	249 to 293	°C	
Front Temperature	249 to 293	°C	
Nozzle Temperature	260 to 293	°C	
Processing (Melt) Temp	249 to 293	°C	
Mold Temperature	26.7 to 82.2	°C	
Back Pressure	0.345	MPa	

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Recommended distributors for this material

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