

OmniLon™ PA6/6 U IM8

Polyamide 66

OMNI Plastics, LLC

Message:

High Impact Resistant, Utility Grade, Nylon 6/6

General Information			
Features	High Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	57.9	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-34°C	2.5	kJ/m ²	
-5°C	6.3	kJ/m ²	
Notched Izod Impact (23°C, 3.18 mm)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	227	°C	
1.8 MPa, Unannealed, 3.18 mm	71.1	°C	
Flammability	Nominal Value	Test Method	
Flame Rating (3.18 mm)	HB	Internal Method	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	260 to 293	°C	
Middle Temperature	271 to 293	°C	
Front Temperature	271 to 293	°C	
Nozzle Temperature	271 to 293	°C	
Processing (Melt) Temp	271 to 293	°C	
Mold Temperature	26.7 to 60.0	°C	
Back Pressure	0.345	MPa	

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Recommended distributors for this material

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