

# OmniLon™ PA6/6 IM8

Polyamide 66

OMNI Plastics, LLC

Message:

OmniLon™ PA6/6 IM8 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	59.0	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength (Break)	73.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	227	°C	
1.8 MPa, Unannealed	74.0	°C	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.12	%	
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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

