

OmniLon™ PA6 IM8

Polyamide 6

OMNI Plastics, LLC

Message:

Impact Modified, Nylon 6

General Information			
Additive	Impact Modifier		
Features	High Impact Resistance		
	Impact Modified		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage	0.012 to 0.018	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	63.4	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	2420	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	171	°C	
1.8 MPa, Unannealed, 3.18 mm	60.0	°C	
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	

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

