

OmniLon™ PA6/6 S12 FD

Polyamide 66

OMNI Plastics, LLC

Message:

Silicone Modified, Nylon 6/6

General Information			
Additive	Silicone Lubricant		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage	1.3 to 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	79.3	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm, White)	HB		UL 94
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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