

**InLube® PA66TF18SI2**

Americhem - Polyamide 66

**General Information**
**Product Description**

18% PTFE AND 2% SILICONE LUBRICATED NYLON 6/6

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• PTFE Lubricant: 18%	• Silicone Lubricant: 2%	
Features	• Chemical Resistant • Good Mold Release	• Low Friction • Lubricated	• Wear Resistant
Uses	• Closures • Consumer Applications • Electrical/Electronic Applications • Engineering Parts	• Household Goods • Industrial Applications • Industrial Parts • Office Automation Equipment	• Outdoor Applications • Window & Door Components
Forms	• Pellets		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.24		ASTM D792
Molding Shrinkage - Flow	0.016 to 0.020	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Modulus	380000	psi	ASTM D638
Tensile Strength	8900	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	330000	psi	ASTM D790
Flexural Strength	14000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (0.125 in)	1.2	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	150	°F	ASTM D648
<b>Flammability</b>			
Flame Rating (0.06 in)	HB		UL 94

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	175	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.15 to 0.20	%
Processing (Melt) Temp	530 to 575	°F
Mold Temperature	200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

