

InLube® PA66TF2MOS2HS

Americhem - Polyamide 66

General Information
Product Description

PTFE/MOS2 LUBRICATED HEAT STABILIZED NYLON 6/6

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Heat Stabilizer	• Molybdenum Disulfide Lubricant: 2%	• PTFE Lubricant: 2%
Features	• Chemical Resistant • Good Mold Release	• Heat Stabilized • 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 ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.17		ASTM D792
Molding Shrinkage - Flow	0.015 to 0.018	in/in	ASTM D955
Water Absorption (24 hr)	1.4	%	ASTM D570
Mechanical			
Tensile Strength	11000	psi	ASTM D638
Tensile Elongation (Yield)	4.0 to 8.0	%	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	0.90	ft-lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	12	ft-lb/in	ASTM D4812
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	200	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+17	ohms	
Flammability			
Flame Rating (0.06 in)	HB		UL 94

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	175	°F
Drying Time	4.0	hr
Processing (Melt) Temp	500 to 575	°F
Mold Temperature	200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm
Vent Depth	5.0E-4 to 1.0E-3	in

