

InLube® PA66GF30MOS2HS

Americhem - Polyamide 66

General Information

Product Description

30% GLASS FIBER REINFORCED, 2% MOLYBDENUM DISULFIDE LUBRICATED, HEAT STABILIZED, NYLON 6/6

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer	• Molybdenum Disulfide Lubricant: 2%	
Features	• Filled	• High Stiffness	• Lubricated
	• Good Dimensional Stability	• High Strength	
	• Heat Stabilized	• Low Friction	
Uses	• Closures	• Household Goods	• Outdoor Applications
	• Consumer Applications	• Industrial Applications	• Window & Door Components
	• Electrical/Electronic Applications	• Industrial Parts	
	• Engineering Parts	• Office Automation Equipment	
Appearance	• Grey		
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.40		ASTM D792
Molding Shrinkage - Flow	1.5E-3 to 4.0E-3	in/in	ASTM D955
Mechanical			
Tensile Modulus	1.45E+6	psi	ASTM D638
Tensile Strength	24000	psi	ASTM D638
Tensile Elongation (Yield)	2.0 to 4.0	%	ASTM D638
Flexural Modulus	1.30E+6	psi	ASTM D790
Flexural Strength	35000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	1.5	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	15	ft·lb/in	ASTM D4812
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	480	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+14	ohms	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	175	°F
Drying Time	4.0	hr
Processing (Melt) Temp	530 to 575	°F
Mold Temperature	150 to 225	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm
Vent Depth	5.0E-4 to 1.0E-3	in

