

**InLube® PA66MOS2HS**

Americhem - Polyamide 66

## General Information

**Product Description**

MOS2 LUBRICATED, HEAT STABILIZED NYLON 6/6

**General**

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>		
Availability	<ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>Europe</li> <li>Latin America</li> </ul>	<ul style="list-style-type: none"> <li>North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>Heat Stabilizer</li> <li>Molybdenum Disulfide Lubricant: 2%</li> </ul>		
Features	<ul style="list-style-type: none"> <li>Heat Stabilized</li> </ul>	<ul style="list-style-type: none"> <li>Low Friction</li> </ul>	<ul style="list-style-type: none"> <li>Lubricated</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Closures</li> <li>Consumer Applications</li> <li>Electrical/Electronic Applications</li> <li>Engineering Parts</li> </ul>	<ul style="list-style-type: none"> <li>Household Goods</li> <li>Industrial Applications</li> <li>Industrial Parts</li> <li>Office Automation Equipment</li> </ul>	<ul style="list-style-type: none"> <li>Outdoor Applications</li> <li>Window &amp; Door Components</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>		

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Molding Shrinkage - Flow	0.010 to 0.015	in/in	ASTM D955
Water Absorption (24 hr)	1.4	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	500000	psi	ASTM D638
Tensile Strength	12500	psi	ASTM D638
Tensile Elongation (Yield)	4.0 to 8.0	%	ASTM D638
Flexural Modulus	500000	psi	ASTM D790
Flexural Strength	18500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.80	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	22	ft·lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	200	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

## Processing Information

Injection	Nominal Value	Unit
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

