

Plaslube® NY-6/MS/M

Techmer Polymer Modifiers - Polyamide 12

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Molybdenum Disulfide Lubricant
Features	• Lubricated
Appearance	• Natural Color
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03		ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	5500	psi	ISO 527-2
Tensile Stress (Break)	5080	psi	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	181000	psi	ISO 178
Flexural Stress	6500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	12	ft·lb/in	ISO 180

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	450 to 500	°F
Middle Temperature	460 to 510	°F
Front Temperature	470 to 520	°F
Nozzle Temperature	480 to 530	°F
Processing (Melt) Temp	460 to 520	°F
Mold Temperature	150 to 225	°F
Injection Rate	Slow-Moderate	
Back Pressure	50.0 to 100	psi
Screw Speed	Moderate	

