

InLube® PA66ECO

Americhem - Polyamide 66

General Information
Product Description

LUBRICATED, HALOGEN FREE NYLON 6/6

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Proprietary		
Features	• Low Friction	• Lubricated	
Uses	• Closures	• Engineering Parts	• Industrial Parts
	• Consumer Applications	• Household Goods	• Office Automation Equipment
	• Electrical/Electronic Applications	• Industrial Applications	• Outdoor Applications
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.03		ASTM D792
Molding Shrinkage - Flow	0.018 to 0.022	in/in	ASTM D955
Water Absorption (24 hr)	0.25	%	ASTM D570
Mechanical			
Tensile Modulus	350000	psi	ASTM D638
Tensile Strength (Break)	8000	psi	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	330000	psi	ASTM D790
Flexural Strength	12000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	2.5	ft·lb/in	ASTM D256
Unnotched Izod Impact	28 to 32	ft·lb/in	ASTM D4812
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	170	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Mold Temperature	150 to 200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

