

InLube® PA610TF10

Americhem - Polyamide 610

General Information
Product Description

10% PTFE LUBRICATED NYLON 610

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• PTFE Lubricant: 10%		
Features	• Chemical Resistant • Good Mold Release	• 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
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14		ASTM D792
Molding Shrinkage - Flow	8.0E-3 to 0.015	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	320000	psi	ASTM D638
Tensile Strength	8800	psi	ASTM D638
Tensile Elongation (Yield)	2.0 to 4.0	%	ASTM D638
Flexural Modulus	295000	psi	ASTM D790
Flexural Strength	10000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.80	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	145	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Drying Time	4.0	hr
Processing (Melt) Temp	460 to 525	°F
Mold Temperature	150 to 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

Notes
¹ Typical properties: these are not to be construed as specifications.
