

InLube® PPHTF10
Americhem - Polypropylene Homopolymer
General Information
Product Description

10% PTFE LUBRICATED POLYPROPYLENE

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	• Battery Cases • Closures • Connectors	• Consumer Applications • Electrical/Electronic Applications • Housings	• HVAC Applications • Industrial Applications • Industrial Parts
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	0.960		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.010 to 0.020	in/in	ASTM D955
Water Absorption (24 hr)	0.010	%	ASTM D570
Mechanical			
Tensile Modulus	240000	psi	ASTM D638
Tensile Strength	4800	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	220000	psi	ASTM D790
Flexural Strength	6600	psi	ASTM D790
Impact			
Notched Izod Impact	0.80	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	130	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	170	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	380 to 440	°F
Mold Temperature	100 to 150	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

