

InLube® PPTF20HS

Americhem - Polypropylene

General Information
Product Description

20% TEFLON LUBRICATED HEAT STABILIZED POLYPROPYLENE.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Heat Stabilizer	• PTFE Lubricant: 20%	
Features	• Chemical Resistant	• Heat Stabilized	• Lubricated
	• Good Mold Release	• Low Friction	• Wear Resistant
Uses	• Battery Cases	• Consumer Applications	• HVAC Applications
	• Closures	• Electrical/Electronic Applications	• Industrial Applications
	• Connectors	• Housings	• Industrial Parts
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.03		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018 to 0.023	in/in	
Water Absorption (Equilibrium)	0.020	%	ASTM D570
Mechanical			
Tensile Strength (Break)	4200	psi	ASTM D638
Flexural Modulus	230000	psi	ASTM D790
Flexural Strength	6450	psi	ASTM D790
Impact			
Notched Izod Impact	0.50	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	140	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+18	ohms	ASTM D257

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

