

**InLube® PCTF20HF**

Americhem - Polycarbonate

**General Information**
**Product Description**

20% PTFE LUBRICATED, HIGH FLOW POLYCARBONATE

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• PTFE Lubricant: 20%		
Features	• Chemical Resistant	• High Flow	• Lubricated
	• Good Mold Release	• Low Friction	• Wear Resistant
Uses	• Automotive Applications	• Electrical/Electronic Applications	• Industrial Applications
	• Closures	• Engineering Parts	• Industrial Parts
	• Connectors	• Household Goods	• Office Automation Equipment
	• Consumer Applications	• Housings	
Forms	• Pellets		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.31		ASTM D792
Molding Shrinkage - Flow	5.0E-3 to 0.010	in/in	ASTM D955
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	310000	psi	ASTM D638
Tensile Strength	7000	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Flexural Strength	10500	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (0.125 in)	4.0	ft-lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	No Break		ASTM D4812
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (264 psi, Unannealed)	265	°F	ASTM D648
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating (0.12 in)	HB		UL 94

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature	250	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	580 to 620	°F
Mold Temperature	180 to 240	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

