

InLube® POKTF20

Americhem - Polyketone

General Information

Product Description

InLube POKTF20 is a 20% PTFE lubricated polyketone. This product offers good impact strength and flexural modulus, as well as excellent wear and abrasion characteristics.

General

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

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.36		ASTM D792
Molding Shrinkage - Flow	0.015 to 0.020	in/in	ASTM D955
Mechanical			
Tensile Modulus	210000	psi	ASTM D638
Tensile Strength	7800	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	210000	psi	ASTM D790
Flexural Strength	7400	psi	ASTM D790
Impact			
Notched Izod Impact	2.0	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	210	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	170	°F
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	450 to 480	°F
Mold Temperature	140 to 180	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

