

InLube® PCVHFECOMD

Americhem - Polycarbonate

General Information
Product Description

 Halogen Free, Lubricated, High Flow Polycarbonate
 (Locked Medical Formulation)

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Proprietary		
Features	• Autoclave Sterilizable	• Heat Sterilizable	• Lubricated
	• E-beam Sterilizable	• High Flow	• Radiation Sterilizable
	• Ethylene Oxide Sterilizable	• Low Friction	• Steam Sterilizable
Uses	• Closures	• Engineering Parts	• Medical/Healthcare Applications
	• Connectors	• Housings	• Surgical Instruments
	• Electrical/Electronic Applications	• Industrial Parts	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Melt Mass-Flow Rate (MFR)	23	g/10 min	ASTM D1238
Molding Shrinkage - Flow	6.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	320000	psi	ASTM D638
Tensile Strength	7600	psi	ASTM D638
Tensile Elongation (Yield)	6.0 to 7.0	%	ASTM D638
Flexural Modulus	350000	psi	ASTM D790
Flexural Strength	12200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	10 to 12	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	270	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	250	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	560 to 600	°F
Mold Temperature	150 to 200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

