

InLube® PCECOHFMD

Americhem - Polycarbonate

General Information

Product Description

 Halogen Free, Lubricated, High Flow Polycarbonate
 Locked Medical Formulation

General

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

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Molding Shrinkage - Flow	6.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	325000	psi	ASTM D638
Tensile Strength	8700	psi	ASTM D638
Tensile Elongation (Yield)	5.0 to 6.0	%	ASTM D638
Flexural Modulus	340000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	12	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	270	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+18	ohms-cm	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	250	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	580 to 600	°F
Mold Temperature	150 to 200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm
Vent Depth	1.0E-3 to 2.0E-3	in

