

InLube® PCECO130MD

Americhem - Polycarbonate

General Information
Product Description

Halogen Free, Lubricated, High Flow Polycarbonate Locked Formulation For Medical Usage

General

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

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.18		ASTM D792
Molding Shrinkage - Flow	6.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical			
Tensile Modulus	320000	psi	ASTM D638
Tensile Strength	8100	psi	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Flexural Strength	10500	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	12	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	270	°F	ASTM D648
Electrical			
Volume Resistivity	> 1.0E+18	ohms·cm	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
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

