

InElec® POMCAS EX

Americhem - Acetal (POM) Copolymer

General Information

Product Description

ANTI STATIC, EXTRUSION GRADE ACETAL COPOLYMER

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Antistatic		
Features	• Permanent Antistatic		
Uses	• Consumer Applications	• Engineering Parts	• Office Automation Equipment
	• Electrical/Electronic Applications	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.32		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018 to 0.025	in/in	ASTM D955
Water Absorption (Equilibrium)	2.5	%	ASTM D570
Mechanical			
Tensile Modulus	200000	psi	ASTM D638
Tensile Strength	5500	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	250000	psi	ASTM D790
Flexural Strength	7000	psi	ASTM D790
Impact			
Notched Izod Impact	4.0	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	170	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+9 to 1.0E+11	ohms	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	200	°F
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	380 to 410	°F
Mold Temperature	180 to 200	°F
Back Pressure	25.0 to 50.0	psi
Screw Speed	30 to 60	rpm

