

ColorFast® POM200 Metal
Americhem - Acetal (POM) Copolymer
General Information
Product Description

STAINLESS STEEL POWDER FILLED ACETAL COPOLYMER

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• ESD Protection	• Excellent Colorability	• Metal Detectable
Uses	• Consumer Applications	• Household Goods	
	• Engineering Parts	• Industrial Applications	
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.55		ASTM D792
Molding Shrinkage - Flow	0.018 to 0.025	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	410000	psi	ASTM D638
Tensile Strength	7100	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	385000	psi	ASTM D790
Flexural Strength (Yield)	12000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.5	ft·lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+12	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Processing (Melt) Temp	375 to 410	°F
Mold Temperature	200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	30 to 60	rpm

Notes
¹ Typical properties: these are not to be construed as specifications.
