

ColorFast® POM100

Americhem - Acetal (POM) Homopolymer

General Information
Product Description

High Viscosity Acetal Homopolymer

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Excellent Colorability		
Uses	• Consumer Applications	• Household Goods	• Office Automation Equipment
	• Engineering Parts	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ISO 1133
Molding Shrinkage - Across Flow	1.9	%	ISO 294-4
Water Absorption (Equilibrium, 73°F, 0.0787 in, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	10300	psi	ISO 527-2
Tensile Strain (Yield)	26	%	ISO 527-2
Tensile Strain (Break)	45	%	ISO 527-2
Flexural Modulus	399000	psi	ISO 178
Flexural Stress	13500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	6.7	ft·lb/in ²	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	92		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	203	°F	ISO 75-2/A
Melting Temperature	352	°F	ISO 11357-3

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