

ColorFast® POM-1500

Americhem - Acetal (POM) Homopolymer

General Information

Product Description

Medium Viscosity Acetal Homopolymer

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Colorability		
Uses	• Consumer Applications • Engineering Parts	• Household Goods • Industrial Applications	• Office Automation Equipment
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)	15	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)	15	%	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Flexural Modulus	410000	psi	ISO 178
Flexural Stress	12000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	4.3	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)	199	°F	ISO 75-2/A
Melting Temperature	352	°F	ISO 11357-3

Notes

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

