

ColorFast® POK1000

Americhem - Polyketone

General Information
Product Description

Polyketone, Aliphatic, High viscosity grade for injection molding & extrusion, Natural

General

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

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.24		ASTM D792
Melt Mass-Flow Rate (MFR) (240°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.018 to 0.020	in/in	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8400	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Flexural Modulus	189000	psi	ASTM D790
Flexural Strength (Yield)	7250	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	3.2	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	221	°F	ASTM D648

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