

ColorFast® POK100F

Americhem - Polyketone

General Information
Product Description

POK100F is a high viscosity injection molding grade of aliphatic polyketone with very good processability and good impact and wear resistance. It is intended for general purpose and food contact applications.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
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	0.016 to 0.021	in/in	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8410	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Flexural Modulus	196000	psi	ASTM D790
Flexural Strength (Yield)	7690	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	4.1	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	216	°F	ASTM D648

