

Integra™ POK 9060

PolySource, LLC - Polyketone

General Information
Product Description

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

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Aliphatic • High Viscosity
Appearance	• Natural Color
Processing Method	• Extrusion • 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	0.018 to 0.020	in/in	ASTM D955
Water Absorption (Equilibrium, 73°F, 60%RH)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	8820	psi	ASTM D638
Tensile Elongation (Break, 73°F)	> 300	%	ASTM D638
Flexural Modulus	228000	psi	ASTM D790
Flexural Strength (73°F)	8820	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.31	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 (66 psi, Unannealed)	410	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	221	°F	ASTM D648
Peak Melting Temperature	428	°F	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	430	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

