

**Integra™ POK 9030 GA6**

PolySource, LLC - Polyketone

**General Information**
**Product Description**

Aliphatic Polyketone, Medium viscosity grade for injection molding, 30% Glass fiber reinforced

**General**

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Aliphatic • Medium Viscosity
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.48		ASTM D792
Molding Shrinkage - Flow	5.0E-3 to 8.0E-3	in/in	ASTM D955
Water Absorption (Equilibrium, 73°F, 50%RH)	0.30	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (73°F)	18600	psi	ASTM D638
Tensile Elongation (Break, 73°F)	> 4.0	%	ASTM D638
Flexural Modulus (73°F)	993000	psi	ASTM D790
Flexural Strength (73°F)	20500	psi	ASTM D790
<b>Impact</b>			
Charpy Notched Impact Strength (73°F)	6.2	ft·lb/in <sup>2</sup>	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	118		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	410	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	401	°F	ASTM D648
Peak Melting Temperature	428	°F	ASTM D1525
<b>Electrical</b>			
Volume Resistivity	> 1.0E+13	ohms·cm	ASTM D257
Dielectric Strength	13000	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating	HB		UL 94

