

Integra™ POK 9060

Polyketone

PolySource, LLC

Message:

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

General Information			
Features	Viscosity, High aliphatic		
Appearance	Natural color		
Processing Method	Extrusion Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (240°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.8 - 2.0	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60%RH)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	60.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	> 300	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Flexural Strength (23°C)	60.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	177	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	210	°C	ASTM D648
1.8 MPa, not annealed	105	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	17	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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