

**TENAC™-C GN752**

Asahi Kasei Corporation - Acetal (POM) Copolymer

**General Information**
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Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• High Flow • Low Friction
Uses	• Engineering Parts • Gears • Housings
Part Marking Code (ISO 11469)	• >POM-GF10<

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.46		ASTM D792
Density	1.46	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3	in/in	Internal Method
Molding Shrinkage - Across Flow	0.016 to 0.018	in/in	Internal Method
Water Absorption (24 hr, 73°F, 50% RH)	0.20	%	ASTM D570
<b>Mechanical</b>			
Tensile Modulus	725000	psi	ISO 527-1
Tensile Stress (Break)	12300	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	696000	psi	ISO 178
<b>Impact</b>			
Charpy Notched Impact Strength	2.9	ft·lb/in <sup>2</sup>	ISO 179
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	329	°F	ISO 75-2/A
CLTE - Flow	2.8E-5	in/in/°F	ISO 11359-2
CLTE - Transverse	5.6E-5	in/in/°F	ISO 11359-2
<b>Flammability</b>			
Flame Rating (0.030 in)	HB		UL 94

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature - Hot Air Dryer	176 to 194	°F
Drying Time - Hot Air Dryer	3.0 to 4.0	hr
Processing (Melt) Temp	356 to 410	°F
Mold Temperature	> 140	°F

