

**TENAC™-C LT350**

Asahi Kasei Corporation - Acetal (POM) Copolymer

**General Information**

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Lubricant		
Features	• High Viscosity	• Lubricated	
	• Low Friction	• Wear Resistant	
Uses	• Engineering Parts	• Gears	• Housings
Part Marking Code (ISO 11469)	• >POM<		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41		ASTM D792
Density	1.41	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.016 to 0.020	in/in	Internal Method
Water Absorption (24 hr, 73°F, 50% RH)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	363000	psi	ISO 527-1
Tensile Strength	8120	psi	ASTM D638
Tensile Stress (Yield)	8410	psi	ISO 527-2
Tensile Elongation (Break)	45	%	ASTM D638
Nominal Tensile Strain at Break	45	%	ISO 527-2
Flexural Modulus	341000	psi	ASTM D790
Flexural Modulus	334000	psi	ISO 178
Flexural Strength	11300	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.8	ft·lb/in <sup>2</sup>	ISO 179
Notched Izod Impact	1.5	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	306	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	185	°F	ISO 75-2/A
CLTE - Flow	5.6E-5	in/in/°F	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

**Processing Information**

Injection	Nominal Value	Unit
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

