

TENAC™-C V3510

Asahi Kasei Corporation - Acetal (POM) Copolymer

General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific Europe Latin America North America
Features	<ul style="list-style-type: none"> Creep Resistant Fatigue Resistant High Viscosity Low VOC
Uses	<ul style="list-style-type: none"> Automotive Applications Engineering Parts Gears Housings
Part Marking Code (ISO 11469)	<ul style="list-style-type: none"> >POM<

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.8	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			
Tensile Modulus	363000	psi	ISO 527-1
Tensile Stress (Yield)	8990	psi	ISO 527-2
Nominal Tensile Strain at Break	40	%	ISO 527-2
Flexural Modulus	348000	psi	ISO 178
Impact			
Charpy Notched Impact Strength	4.3	ft·lb/in ²	ISO 179
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	203	°F	ISO 75-2/A
CLTE - Flow	5.6E-5	in/in/°F	ISO 11359-2

Processing Information

	Nominal Value	Unit
Injection		
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

Notes
¹ Typical properties: these are not to be construed as specifications.
