TENAC™-C LT350

POM — Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**2.6**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Melt flow index, MFI	**3**	g/10min	ISO 1133

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2500**	MPa	ISO 527
Yield stress	**58**	MPa	ISO 527
Strain at break	**45**	%	ISO 527
Flexural modulus, 23°C	**2300**	MPa	ISO 178
[C] Charpy notched impact strength, +23°C	**8**	kJ/m²	ISO 179/1eA
ASTM Data			
Tensile Strength	**56**	MPa	ASTM D 638
Elongation at Break	**45**	%	ASTM D 638
Flexural Modulus	**2350**	MPa	ASTM D 790
Flexural Strength	**78**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**78**	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**85**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**152**	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**100**	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	**HB**	-	UL 94

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1410**	kg/m³	ISO 1183
Water Absorption, 24hr	**0.2**	%	ASTM D 570
Density	**1410**	kg/m³	ASTM D 792

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 90**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Melt temperature	**180 - 210**	°C	-
Mold temperature	**60**	°C	-

Characteristics

Processing
Injection Molding, Other Extrusion

Features
Tribologic Grade, Copolymer

Delivery form
Pellets

Applications
Automotive

Additives
Lubricants

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics
High impact or impact modified