TENAC™-C TFC64

POM-MF — Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2200**	MPa	ISO 527
[C] Stress at break	**35**	MPa	ISO 527
[C] Strain at break	**2**	%	ISO 527
Flexural modulus, 23°C	**2100**	MPa	ISO 178
[C] Charpy notched impact strength, +23°C	**1.5**	kJ/m²	ISO 179/1eA
ASTM Data			
Tensile Strength	**33**	MPa	ASTM D 638
Elongation at Break	**3**	%	ASTM D 638
Flexural Modulus	**2010**	MPa	ASTM D 790
Flexural Strength	**63**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**33**	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	**146**	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**100**	E-6/K	ISO 11359-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
[C] Burning Behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-
Yellow Card available	**yes**	-	-
ASTM Data			
UL 94 Flame rating	**HB**	-	UL 94
DTUL @ 66 psi	**160**	°C	ASTM D 648
DTUL @ 264 psi	**123**	°C	ASTM D 648

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**0.1**	Ohm*m	IEC 62631-3-1
Surface resistivity	**10**	Ohm	IEC 62631-3-2
ASTM Data			
Surface Resistivity	**100**	Ohm	ASTM D 257
Volume Resistivity	**100**	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
[C] Density	**1370**	kg/m³	ISO 1183
Water Absorption, 24hr	**0.2**	%	ASTM D 570
Density	**1370**	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

Copolymer

Delivery form
Pellets

Applications
Automotive

Special Characteristics
Increased electrical conductivity

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