TENAC™-C 9520

POM — Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**60**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
ASTM Data			
Melt Flow Index, MFI	**70**	g/10min	ASTM D 1238
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Mold Shrinkage, MD	**0.016**	mm/mm	ASTM D 955
Mold Shrinkage, TD	**0.02**	mm/mm	ASTM D 955

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2800**	MPa	ISO 527
[C] Charpy notched impact strength, +23°C	**3.5**	kJ/m²	ISO 179/1eA
ASTM Data			
Tensile Strength	**61**	MPa	ASTM D 638
Elongation at Break	**40**	%	ASTM D 638
Flexural Modulus	**2627**	MPa	ASTM D 790
Flexural Strength	**90.3**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**39**	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**100**	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**70**	E-6/K	ISO 11359-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
ASTM Data			
Coefficient of Thermal Expansion, MD	**101**	E-6/K	ASTM D 696
DTUL @ 264 psi	**110**	°C	ASTM D 648

[C]: CAMPUS

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

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Delivery form
Pellets

Features
Copolymer

Applications
General Purpose

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