

Asahi Kasei TENAC™ -C 9520

TENAC™ -C 9520 is a low - viscosity POM copolymer suitable for injection molding, featuring an HB flame retardancy rating, compliance with RoHS and UL standards, high flow properties, and is used in applications such as housing, engineering parts, and gears.

Physical property		Standard	Value	Unit
Density		ASTM D792	1.41	g/cm ³
Density		ISO 1183	1.41	g/cm ³
Shrinkage	Flow	INTERNAL METHOD	1.6~2.0	%
Water Absorption	23°C 50RH 24hr	ASTM D570	0.2	%
Melt Index	190°C 2.16kg	ISO 1133	70	g/10min
Mechanical behavior		Standard	Value	Unit
Tensile Modulus		ISO 527	2900	MPa
Tensile Strength	Yield	ISO 527	65	MPa
Elongation	Break	ISO 527	20	%
Flexural Modulus		ISO 178	2700	MPa
Charpy Notch Impact		ISO 179	3.5	kJ/m ²
Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa	ISO 75	100	°C
CLE	Flow	ISO 11359	1.00E-04	cm/cm/°C