

Asahi Kasei TENAC™ -C 4520

Standard-flow grade with minimized mold deposit
Information provided by Asahi Kasei Corp.

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.016 - 0.020 cm/cm	0.016 - 0.020 in/in	Asahi Kasei
Melt Flow	9.0 g/10 min	9.0 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.0 MPa	9140 psi	50% RH; ISO 527
Elongation at Break	35 %	35 %	50% RH; ISO 527
Tensile Modulus	2.70 GPa	392 ksi	50% RH; ISO 527
Flexural Modulus	2.50 GPa	363 ksi	50% RH; ISO 178
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	100 µm/m-°C	55.6 µin/in-°F	ISO 11359
Deflection Temperature at 0.46 MPa (66 psi)	156 °C	313 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 75

Flammability, UL94	HB	HB
	@Thickness 1.50 mm	@Thickness 0.0591 in
	HB	HB
	@Thickness 0.750 mm	@Thickness 0.0295 in