

Asahi Kasei TENAC™ 3010

High-impact high-elongation grade
Information provided by Asahi Kasei Corp.

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	Asahi Kasei
Melt Flow	2.8 g/10 min	2.8 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	50% RH; ISO 527
Elongation at Break	50 %	50 %	50% RH; ISO 527
Tensile Modulus	3.00 GPa	435 ksi	50% RH; ISO 527
Flexural Modulus	2.80 GPa	406 ksi	50% RH; ISO 178
Charpy Impact, Notched	1.30 J/cm ²	6.19 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)	163 °C	325 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 75

Flammability, UL94

HB
@Thickness 1.50 mm

HB
@Thickness 0.0591 in