

# Asahi Kasei TENAC™ -C 3510

High-impact, high elongation grade, with increased molecular weight  
Information provided by Asahi Kasei Corp.

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.016 - 0.020 cm/cm	0.016 - 0.020 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	62.0 MPa	8990 psi	50% RH; ISO 527
Elongation at Break	40 %	40 %	50% RH; ISO 527
Tensile Modulus	2.50 GPa	363 ksi	50% RH; ISO 527
Flexural Modulus	2.40 GPa	348 ksi	50% RH; ISO 178
Charpy Impact, Notched	0.900 J/cm <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	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)	95.0 °C	203 °F	ISO 75

Flammability, UL94

HB  
@Thickness 1.50 mm      HB  
@Thickness 0.0591 in

HB  
@Thickness 0.810 mm      HB  
@Thickness 0.0319 in