

PC-3010R

Physical Properties

Property	Typical Value	Test Method
Density (23 °C)	1.20 g/cm ³	ISO 1183
Melt Flow Rate (300 °C / 1.2 kg)	9–11 (≈10) g/10 min	ISO 1133
Mold Shrinkage	0.5–0.7 %	ISO 294
Water Absorption (saturated, 23 °C in water)	0.30%	ISO 62
Water Absorption (equilibrium, 50 % RH)	0.20%	ISO 62

Mechanical Properties

Property	Typical Value	Test Method
Tensile Modulus	2350 MPa	ISO 527
Tensile Strength	63 MPa	ISO 527
Elongation at Break	115%	ISO 527
Flexural Strength	92 MPa	ISO 178
Flexural Modulus	2.4 GPa	ISO 178
Notched Izod Impact Strength (23 °C)	65 kJ/m ²	ISO 180

Optical Properties

Property	Typical Value	Test Method
Light Transmittance	88–90 %	ASTM D1003
Color b* (3.2 mm)	-1 to -2	ASTM E308

Thermal Properties

Property	Typical Value	Test Method
Heat Deflection Temperature (1.8 MPa)	125 °C	ISO 75
Heat Deflection Temperature (0.45 MPa)	136 °C	ISO 75
Vicat Softening Temperature	142 °C	ISO 306

Electrical Properties

Property	Typical Value	Test Method
Dielectric Constant (60 Hz)	2.95	IEC 60250

- 1.This data are provided for general reference only.
- 2.The typical values listed above are for reference only. During actual processing, process parameters should be adjusted accordingly based on mold design, product geometry, and dimensions.