

Physical Properties

Property	Rated Value	Unit	Test Method
Melt Flow Rate (300 °C / 1.2 kg)	10 ± 1	g/10 min	GB/T 3682.1-2008
Density	1200 (= 1.20)	kg/m ³ (g/cm ³)	GB/T 1033.1-2008
Viscosity-Average Molecular Weight Mv (typical)	20,500	g/mol	GB/T 36214.2-2018
Mold Shrinkage	0.6–0.8	%	GB/T 39818-2021

Mechanical Properties

Property	Rated Value	Unit	Test Method
Tensile Strength (yield)	≥ 60	MPa	GB/T 1040.1-2018
Elongation at Break	≥ 105	%	GB/T 1040.1-2018
Flexural Strength	≥ 95	MPa	GB/T 9341-2008
Notched Izod Impact Strength	≥ 65	kJ/m ²	GB/T 1043.2-2018

Thermal Properties

Property	Rated Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa)	≥ 123	°C	GB/T 1634.2-2019
Vicat Softening Temperature	≥ 140	°C	GB/T 1633-2000
Glass Transition Temperature (Tg)	≥ 147	°C	GB/T 19466.2-2004

Optical Properties

Property	Rated Value	Unit	Test Method
Light Transmittance (1 mm)	89	%	GB/T 2410-2008
Color b* (2 mm)	0.1–0.5	—	GB/T 39822-2021
Yellowness Index YI (2 mm)	0–1	—	GB/T 39822-2021

Flame Retardancy

Property	Rated Value	Unit	Test Method
Flammability Rating	V-2	—	UL 94 / GB/T 2408-2021
Limiting Oxygen Index (LOI)	27	%	GB/T 2406.1-2008

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.