

ASA Technical Data Sheet(TDS)

Property	Testing Method	Typical Value
Density	ISO 1183, GT/T1033	1.14 g/cm ² at 21°C
Melt Index	200°C, 10Kg	25g/ 10 min
Flame Retardancy	UL 94	V2

Property	Testing Method	Typical Value
Glass Transition	DSC, 10°C/ min	97.8°C
Vicat Softening Temperature	ISO 306 GB/T 1633	105.3°C
Heat Deflection Temperature	ISO75.1 1.8MPa	100.2°C
Heat Deflection Temperature	ISO 75 0.45MPa	102.6°C

Property	Testing Method	Typical Value
Young's modulus (X-Y)	ISO 527, GB/T 1040	2379 ± 157 MPa
Young's modulus (Z)		1965 ± 136 MPa
Tensile Strength (X-Y)	ISO 527, GB/T 1040	43.8 ± 0.8 MPa
Tensile Strength (Z)		32 ± 1.8 MPa
Elongation at Break (X-Y)	ISO 527, GB/T 1040	6.7 ± 0.6 %
Elongation at Break (Z)		1.65 ± 0.2 %
Bending Modulus (X-Y)	ISO 178, GT/B 9341	3206 ± 108 MPa
Bending Modulus (Z)		N/A
Bending Strength (X-Y)	ISO 178, GT/B 9341	73.4 ± 2.1 MPa
Bending Strength (Z)		N/A
Charpy Impact Strength (X-Y)	ISO 179, GB/T 9343	10.3 ± 0.4 kJ/m ²
Charpy Impact Strength (Z)		6.7 ± 1.4 kJ/m ²