

Characteristic	Unit	Specification	Testing Method
General Properties			
Density	g/cm ³	1.262 (± 0.004)	ISO 1183-1
Thermal Properties			
Melt Flow Rate	g/10 min.	1.32 (± 0.21)	ISO 1133-1
Glass transition point	°C	59.70	ISO 11357-1
Onset melting point	°C	144.30	ISO 11357-1
Melting point	°C	148.20	ISO 11357-1
Oxidative decomposition temperature	°C	327.20	-
Thermal decomposition temperature	°C	338.80	-
Ash content O2	Wt%	0.97	-
Ash content N2	Wt%	1.98	-
Mechanical properties			
Tensile modulus	MPa	2942.77 (± 37.34)	ISO 527-1
Tensile yield strength	MPa	66.99 (± 0.74)	ISO 527-1
Elongation at tensile yield	%	3.33 (± 0.1)	ISO 527-1
Tensile strength at break	MPa	26.34 (± 22.37)	ISO 527-1
Elongation at tensile break	%	6.14 (± 2.28)	ISO 527-1
Flexural modulus	GPa	19.43 (± 0.99)	ISO 178:2003
Flexural strength	MPa	190.53 (±5.27)	ISO 178:2003
Strain at flexural yield	%	1.34 (± 0.03)	ISO 178:2003
Flexural strength at break	MPa	114.45 (±3.15)	ISO 178:2003
Strain at flexural break	%	11.44 (± 0.15)	ISO 178:2003
Charpy impact	K J/m ²	26.276 (± 5.371)	ISO 179-1

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