

Characteristic	Unit	Specification	Testing Method
General Properties			
Density	g/cm ³	1.274	ISO 1183-1
Thermal Properties			
Melt Flow Rate	g/10 min.	2.54	ISO 1133-1
Glass transition point	°C	57.10	ISO 11357-1
Onset melting point	°C	144.30	ISO 11357-1
Melting point	°C	148.50	ISO 11357-1
Oxidative decomposition temperature	°C	317.50	-
Thermal decomposition temperature	°C	311.90	-
Ash content O2	Wt%	3.33	-
Ash content N2	Wt%	1.49	-
Mechanical properties			
Tensile modulus	MPa	3063 (± 34.18)	ISO 527-1
Tensile yield strength	MPa	72.03 (± 0.56)	ISO 527-1
Elongation at tensile yield	%	3.3 (± 0.1)	ISO 527-1
Tensile strength at break	MPa	63.39 (± 0.71)	ISO 527-1
Elongation at tensile break	%	5.91 (± 0,69)	ISO 527-1
Flexural modulus	GPa	19.95 (± 0.66)	ISO 178:2003
Flexural strength	MPa	214.57 (4.53)	ISO 178:2003
Strain at flexural yield	%	1.44 (± 0.03)	ISO 178:2003
Flexural strength at break	MPa	181.76 (±30.41)	ISO 178:2003
Strain at flexural break	%	1.66 (±0.22)	ISO 178:2003
Charpy impact	K J/m ²	31.387 (± 4.584)	ISO 179-1

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