

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	2983.54 (± 47.4)	ISO 527-1
Tensile yield strength	MPa	67.94 (± 1.05)	ISO 527-1
Elongation at tensile yield	%	3.27 (± 0.17)	ISO 527-1
Tensile strength at break	MPa	65.19 (± 1.84)	ISO 527-1
Elongation at tensile break	%	3.64 (± 0,26)	ISO 527-1
Flexural modulus	GPa	19.62 (± 0.25)	ISO 178:2003
Flexural strength	MPa	196.15 (3.22)	ISO 178:2003
Strain at flexural yield	%	1.37 (± 0.03)	ISO 178:2003
Flexural strength at break	MPa	117.76 (±1.91)	ISO 178:2003
Strain at flexural break	%	9.29 (± 3.74)	ISO 178:2003
Charpy impact	K J/m ²	31.387 (± 4.584)	ISO 179-1

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