

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3100 / 1200	MPa	ISO 527
Yield stress	81 / 45	MPa	ISO 527
Yield strain	4.9 / 50	%	ISO 527
Flexural modulus, 23°C	2650 / 800	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8 / N	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N / N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	8.5 / N	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	254 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	68 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	205 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	217 / *	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.7 / *	mm	-
Oxygen index	34.7 / *	%	ISO 4589-1/-2

Other properties	dry / cond	Unit	Test Standard
Water absorption	16 / *	%	Sim. to ISO 62
Humidity absorption	4.6 / *	%	Sim. to ISO 62
Density	1140 / -	kg/m ³	ISO 1183
Biobased content	45	%	-

Characteristics

Processing

Injection Molding, Other Extrusion

Features

Barrier Properties

Certifications

Contains renewable resources

Applications

Automotive, Electrical and Electronical, Sports Equipment

Regional Availability

Asia Pacific