

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Thermal conductivity of melt	0.25	W/(m K)	-
Spec. heat capacity of melt	1900	J/(kg K)	-
Mechanical properties			
	dry / cond	Unit	Test Standard
ISO Data			
Tensile Strength	85 / 40	MPa	ISO 527
Yield strain	1.5 / -	%	ISO 527
Strain at break	38 / 50	%	ISO 527
Flexural modulus, 23°C	3000 / 1000	MPa	ISO 178
Flexural modulus	800 / 400	MPa	ISO 178
Flexural modulus temperature	80	°C	-
Charpy notched impact strength, +23°C	4 / 31	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 119	-	ISO 2039-2
Thermal properties			
	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	225 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	190 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	80 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Electrical properties			
	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.4 / 4.5	-	IEC 62631-2-1
Dissipation factor, 1MHz	300 / 1300	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Electric strength	20 / -	kV/mm	IEC 60243-1
Other properties			
	dry / cond	Unit	Test Standard
Water absorption	10.5 / *	%	Sim. to ISO 62
Density	1130 / -	kg/m ³	ISO 1183

Characteristics

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa