JZM1100

	UNIT	*STANDARD*	*VALUE*
MECHANICAL PROPERTIES			
Creep Stress	Mpa	ISO 527	80
Tensile Strength	Mpa	ISO 527	---
Elongation at Break	%	ISO 527	40
Elastic Modulus in Stress	Mpa	ISO 527	3100
Flexural Modulus (flexible test)	Mpa	ISO 178	3400
Flexural Strength	Mpa	ISO 178	140
Charpy Impact Strength (+23°C)	kJ/m²	ISO 179/1eU	No Breakage
Charpy Notched Impact Resistance (+23°C)	kJ/m²	ISO 179/1eA	> 4
Shore D Hardness	---	ISO 868	---
Indentation Hardness	N/mm²	ISO 2039-1	160
Pressure Module	Mpa	ISO 604	---
Compressive Stress (1/2/5% nominal stress)	Mpa	ISO 604	---
THERMAL PROPERTIES			
Heat distortion temperature (Method A)	°C	ISO 75	---
Melting temperature	°C	ISO 3146	220
Glass Transition Temperature	°C	ISO 3146	---
Maximum Service Temperature for Short Term Use	°C	---	170
Service Temperature for Extended Use	°C	---	105
Minimum Usage Temperature	°C	---	-40
Thermal Coefficient for Linear Expansion	$1/K.10^{-5}$	DIN 53752	7-8

	UNIT	*STANDARD*	*VALUE*
Thermal Conductivity (Method A)	W/(K.m)	---	0,23
Specific Heat Capacity	J/(g.K)	IEC 1006	1,7
DIELECTRIC PROPERTIES			
Dielectric Constant at 1MHZ	---	IEC 250	3,7
Power Loss Coefficient at 1MHZ	---	IEC 250	0,03
Dielectric Force	KV/mm	IEC 243	50
Volume Resistivity	Ω.cm	IEC 93	10^{15}
Surface Resistivity	Ω	IEC 93	10^{13}
Insulation (CTI)	---	DIN EN 60112	600
ADDITIONAL DATA			
Density	g/cm^3	ISO 1183	1,15
Moisture Absorption at 23°C, 50% RH	%	ISO62	2,2
Water Absorption (saturation) at 23°C	%	ISO62	6,5
Flammability According to UL Standards	---	UL 94	HB
Abrasion Resistance 2 [2]	µm/km	ISO 7148-2	---