



table1-1 General Properties (ISO)

Item	Unit	Test Method	Standard, For SMT
			ME525T
			Low fibrillation
Color			BLK
ISO quality-of-the-material display:		ISO11469	>LCP-I-MD25<
Density	g/cm ³	ISO 1183	1.55
Water absorption (23°C,24hrs,1mmt)	%	ISO 62	-
Tensile strength	MPa	ASTM D638	145
Tensile elongation	%	ASTM D638	3.8
Flexural strength	MPa	ISO 178	155
Flexural modulus	MPa	ISO 178	12,000
Flexural strain	%	ISO 178	4.0
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	7
Temperature of deflection under load (1.8MPa)	°C	ISO 75-1,2	235
Temperature of deflection under load (0.45MPa)	°C	ISO 75-1,2	270
Electric strength (1mmt)	kV/mm	IEC 60243-1	-
Electric strength (3mmt)	kV/mm	IEC 60243-1	-
Volume resistivity	Ω·cm	IEC 60093	3 × 10 ¹⁶
Volume resistivity (Our standard)	Ω·cm		-
Relative permittivity (1kHz)		IEC 60250	4.6
Relative permittivity (1MHz)		IEC 60250	4.0
Dielectric dissipation factor (1kHz)		IEC 60250	0.02
Dielectric dissipation factor (1MHz)		IEC 60250	0.03
Tracking resistance (CTI)	V	IEC 60112	150
Arc resistance	s	ASTM D495	49
Mold Shrinkage (80×80×1mmt, Flow direction, Inj. pressure 60MPa)	%	Our standard	0.03
Mold Shrinkage (80×80×1mmt, Trans-direction, Inj. pressure60MPa)	%	Our standard	0.36
Mold Shrinkage (80×80×1mmt, Flow direction, Inj. pressure79MPa)	%	Our standard	-
Mold Shrinkage (80×80×1mmt, Trans direction, Inj pressure 79MPa)	%	Our standard	-
Rockwell hardness	M(Scale)	ISO2039-2	-
Flammability		UL94	V-0

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All figures in the table are the typical values of the material and not the minimum values of the material specifications.