LCP ZOVGOV® ME471i

table1-1 General Properties（ISO）

Item	Unit	Test Method	Standard, For SMT
			ME471i
			Low warpage
Color			NAT/BLK
ISO Quality-of-the-material display:		ISO11469	>LCP-(GF+MD)35<
Density	g/cm^3	ISO 1183	1.67
Water absorption (23°C,24hrs,1mmt)	%	ISO 62	0.03
Tensile strength	MPa	ASTM D638	140
Tensile elongation	%	ASTM D638	2.3
Flexural strength	MPa	ISO 178	195
Flexural modulus	MPa	ISO 178	13,500
Flexural strain	%	ISO 178	2.5
Charpy notched impact strength (23℃)	kJ/m^2	ISO 179/1eA	20
Temperature of deflection under load (1.8MPa)	℃	ISO 75-1,2	265
Temperature of deflection under load (0.45MPa)	℃	ISO 75-1,2	285
Electric strength (1mmt)	kV/mm	IEC 60243-1	47
Electric strength (3mmt)	kV/mm	IEC 60243-1	25
Volume resistivity	Ω·cm	IEC 60093	2 × 10^{16}
Volume resistivity (Our standard)	Ω·cm		-
Relative permittivity (1kHz)		IEC 60250	4.3
Relative permittivity (1MHz)		IEC 60250	3.8
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	176
Mold Shrinkage (80×80×1mmt, Flow direction, Inj. pressure 60MPa)	%	Our standard	0.06
Mold Shrinkage (80×80×1mmt, Trans-direction, Inj. pressure60MPa)	%	Our standard	0.43
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	65
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.