

SUMIKASUPER® E6809T

LCP-MX45

Sumitomo Chemical Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
Other Standards^[5]			
Molding shrinkage, parallel	0.2	%	Sumitomo Original
Molding shrinkage, normal	0.7	%	Sumitomo Original

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	98	MPa	ASTM D 638
Flexural Modulus	10400	MPa	ASTM D 790
Flexural Strength	111	MPa	ASTM D 790
Izod Impact notched, 1/8 in	450	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	266	°C	ASTM D 648
Other Standards^[5]			
Coeff. of linear therm. expansion, parallel	20	E-6/K	Sumitomo Original
Coeff. of linear therm. expansion, normal	60	E-6/K	Sumitomo Original

S: These properties are reported by the producer according standards that are different to our defaults.

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1790	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	130	°C	-
Pre-drying - Time	4 - 24	h	-
Melt temperature	350	°C	-
Mold temperature	70 - 160	°C	-
Zone 1	300 - 320	°C	-
Zone 2	320 - 350	°C	-
Zone 3	340 - 360	°C	-
Nozzle temperature	340 - 360	°C	-
Screw speed	50 - 100	rpm	-
Injection pressure	80 - 160	MPa	-
Back pressure	1 - 5	MPa	-
Holding pressure	20 - 40	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Black