

SUMIKASUPER® E5008

LCP-GF40

Sumitomo Chemical Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0006	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0125	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11900	MPa	ISO 527
Tensile Strength	101	MPa	ISO 527
Flexural modulus, 23°C	13300	MPa	ISO 178
ASTM Data			
Tensile Strength	111	MPa	ASTM D 638
Flexural Modulus	12200	MPa	ASTM D 790
Flexural Strength	127	MPa	ASTM D 790
Izod Impact unnotched, 1/8 in	441	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.3	mm	-
DTUL @ 264 psi	335	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 1 MHz	0.031	-	ASTM D 150
Dielectric Constant, 1 MHz	4.2	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	128	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1690	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	400	°C	-
Mold temperature	40 - 160	°C	-
Zone 2	370 - 390	°C	-
Zone 3	390 - 410	°C	-
Nozzle temperature	390 - 410	°C	-
Screw speed	50 - 100	rpm	-
Injection pressure	120 - 160	MPa	-
Back pressure	1 - 5	MPa	-
Holding pressure	40 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Black, Natural Color