

**SUMIKASUPER® E6808UHF Z**

LCP-(GF+MX)40

Sumitomo Chemical Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0022	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0102	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	78	MPa	ISO 527
Flexural modulus, 23°C	8900	MPa	ISO 178
Charpy impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
<b>ASTM Data</b>			
Tensile Strength	100	MPa	ASTM D 638
Flexural Modulus	9400	MPa	ASTM D 790
Flexural Strength	120	MPa	ASTM D 790
Izod Impact unnotched, 1/8 in	350	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	228	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.3	mm	-
DTUL @ 264 psi	240	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dissipation Factor, 1 MHz	0.033	-	ASTM D 150
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	132	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1720	kg/m <sup>3</sup>	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	40 - 160	°C	-
Zone 1	280 - 320	°C	-
Zone 2	320 - 340	°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

**Regional Availability**

North America, Europe, Asia Pacific

**Delivery form**

Black, Natural Color