

**SUMIKASUPER® E6007LHF Z**

LCP-GF35

Sumitomo Chemical Co., Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.002</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.006</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>12500</b>	MPa	ISO 527
Tensile Strength	<b>120</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>11000</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>29</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<b>ASTM Data</b>			
Tensile Strength	<b>157</b>	MPa	ASTM D 638
Flexural Modulus	<b>11800</b>	MPa	ASTM D 790
Flexural Strength	<b>158</b>	MPa	ASTM D 790
Izod Impact unnotched, 1/8 in	<b>251</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>276</b>	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>0.3</b>	mm	-
DTUL @ 264 psi	<b>269</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dissipation Factor, 1 MHz	<b>0.026</b>	-	ASTM D 150
Dielectric Constant, 1 MHz	<b>3.8</b>	-	ASTM D 150
Surface Resistivity	<b>&gt;1E15</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1E15</b>	Ohm*cm	ASTM D 257
Arc Resistance	<b>124</b>	s	ASTM D 495
<b>Other properties</b>			
Density	<b>1650</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>130</b>	°C	-
Pre-drying - Time	<b>4 - 24</b>	h	-
Melt temperature	<b>350</b>	°C	-
Mold temperature	<b>40 - 160</b>	°C	-
Zone 1	<b>280 - 320</b>	°C	-
Zone 2	<b>320 - 340</b>	°C	-
Zone 3	<b>340 - 360</b>	°C	-
Nozzle temperature	<b>340 - 360</b>	°C	-
Screw speed	<b>50 - 100</b>	rpm	-
Injection pressure	<b>80 - 160</b>	MPa	-
Back pressure	<b>1 - 5</b>	MPa	-
Holding pressure	<b>20 - 40</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Delivery form**

Black, Natural Color