

**LUPOY GN5008HF**

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>18</b>	g/10min	ASTM D 1238
Temperature	<b>250</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.005</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>58.9</b>	MPa	ASTM D 638
Elongation at Break	<b>50</b>	%	ASTM D 638
Flexural Modulus	<b>2453</b>	MPa	ASTM D 790
Flexural Strength	<b>84.4</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 113</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>330</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>2.5</b>	mm	-
DTUL @ 66 psi	<b>88</b>	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	<b>1180</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>75 - 85</b>	°C	-
Pre-drying - Time	<b>3 - 5</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>235 - 265</b>	°C	-
Mold temperature	<b>50 - 80</b>	°C	-
Zone 1	<b>220 - 240</b>	°C	-
Zone 2	<b>235 - 255</b>	°C	-
Zone 3	<b>250 - 265</b>	°C	-
Nozzle temperature	<b>250 - 265</b>	°C	-
Screw speed	<b>40 - 70</b>	rpm	-
Back pressure	<b>0.02 - 0.06</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free, High impact or impact modified

**Applications**

Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America