

**LUMID GP2200A(W)**

PA6-GF20

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.008	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	147	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	6671	MPa	ASTM D 790
Flexural Strength	216	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/4 in	86.5	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	45	E-6/K	ASTM D 696
DTUL @ 264 psi	205	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Volume Resistivity	1E17	Ohm*cm	ASTM D 257
Arc Resistance	150	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.2	%	ASTM D 570
Density	1300	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Melt temperature	250 - 280	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	235 - 255	°C	-
Zone 2	240 - 270	°C	-
Zone 3	240 - 270	°C	-
Nozzle temperature	250 - 280	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

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

**Applications**

General Purpose