

**LUMID GP2430A(W)**

PA6-GF43

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Break	211	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	1177	MPa	ASTM D 790
Flexural Strength	294	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/4 in	132	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	31	E-6/K	ASTM D 696
DTUL @ 264 psi	210	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	22	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Volume Resistivity	1E17	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Water Absorption, 24hr	1	%	ASTM D 570
Density	1490	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Melt temperature	260 - 290	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	250 - 270	°C	-
Zone 2	260 - 285	°C	-
Zone 3	260 - 290	°C	-
Nozzle temperature	260 - 290	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

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

**Applications**

Automotive, General Purpose