

**LUMID GP3300A(W)**

PA6-MF30

LG Chem

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

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Break	<b>78.5</b>	MPa	ASTM D 638
Elongation at Break	<b>4</b>	%	ASTM D 638
Flexural Modulus	<b>5395</b>	MPa	ASTM D 790
Flexural Strength	<b>123</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 121</b>	-	ASTM D 785
Izod Impact notched, 1/4 in	<b>47.1</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>0.75</b>	mm	-
Coefficient of Thermal Expansion, MD	<b>54</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>210</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>160</b>	°C	ASTM D 648
Melting Temperature	<b>220</b>	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>22</b>	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	<b>4</b>	-	ASTM D 150
Volume Resistivity	<b>1E17</b>	Ohm*cm	ASTM D 257
Arc Resistance	<b>185</b>	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>1.1</b>	%	ASTM D 570
Density	<b>1360</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80 - 100</b>	°C	-
Pre-drying - Time	<b>4 - 5</b>	h	-
Melt temperature	<b>260 - 280</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>250 - 270</b>	°C	-
Zone 2	<b>255 - 275</b>	°C	-
Zone 3	<b>255 - 275</b>	°C	-
Nozzle temperature	<b>260 - 280</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive, General Purpose

**Regional Availability**

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