

LUMID GP2500A(W)

PA6-GF50

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Break	221	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	13720	MPa	ASTM D 790
Flexural Strength	324	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/4 in	141	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	28.1	E-6/K	ASTM D 696
DTUL @ 264 psi	210	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	25	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Volume Resistivity	1E17	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.8	%	ASTM D 570
Density	1560	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
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