

LUMID HI2202B(W)

PA66-GF20

LG Chem

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

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	127	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	4905	MPa	ASTM D 790
Flexural Strength	167	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	151	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	40	E-6/K	ASTM D 696
DTUL @ 66 psi	250	°C	ASTM D 648
DTUL @ 264 psi	230	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Volume Resistivity	1E16	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.8	%	ASTM D 570
Density	1280	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.09	%	-
Melt temperature	270 - 290	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	265 - 275	°C	-
Zone 2	270 - 280	°C	-
Zone 3	270 - 285	°C	-
Nozzle temperature	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Applications

Automotive

Regional Availability

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