

LUMID GP3200B(W)

PA66-MF20

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.011	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	79.5	MPa	ASTM D 638
Elongation at Break	8	%	ASTM D 638
Flexural Modulus	3924	MPa	ASTM D 790
Flexural Strength	118	MPa	ASTM D 790
Rockwell Hardness	R 122	-	ASTM D 785
Izod Impact notched, 1/8 in	37.7	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	60	E-6/K	ASTM D 696
DTUL @ 66 psi	230	°C	ASTM D 648
DTUL @ 264 psi	150	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Volume Resistivity	1E16	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1	%	ASTM D 570
Density	1250	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 - 295	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

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

Applications

Automotive, General Purpose