LUMID GP2330A(W)

PA6-GF33 LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	**0.0065**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	**186**	MPa	ASTM D 638
Elongation at Break	**3**	%	ASTM D 638
Flexural Modulus	**8825**	MPa	ASTM D 790
Flexural Strength	**270**	MPa	ASTM D 790
Rockwell Hardness	**R 121**	-	ASTM D 785
Izod Impact notched, 1/8 in	**123**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	**HB**	-	UL 94
Thickness tested	**0.75**	mm	-
Coefficient of Thermal Expansion, MD	**35**	E-6/K	ASTM D 696
DTUL @ 264 psi	**210**	°C	ASTM D 648
Melting Temperature	**220**	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	**20**	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	**3.5**	-	ASTM D 150
Volume Resistivity	**1E17**	Ohm*cm	ASTM D 257
Arc Resistance	**130**	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	**1.1**	%	ASTM D 570
Density	**1370**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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, Electrical and Electronical, General Purpose

Copyright Altair Engineering GmbH. Altair Engineering GmbH assumes no liability for the system to be free of errors. The user takes sole responsibility for the use of this data under the exclusion of every liability from Altair Engineering GmbH; this is especially valid for claims of compensation resulting from consequential damages. Altair explicitly points out that any decision about the application of materials must be double checked with the producer of this material. This includes all contents of this system. Copyright laws are applicable for the content of this system.