LUMID HI2302A(W)

PA6-GF30 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	**152**	MPa	ASTM D 638
Elongation at Break	**4**	%	ASTM D 638
Flexural Modulus	**7860**	MPa	ASTM D 790
Flexural Strength	**235**	MPa	ASTM D 790
Rockwell Hardness	**R 117**	-	ASTM D 785
Izod Impact notched, 1/4 in	**207**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	**36**	E-6/K	ASTM D 696
DTUL @ 264 psi	**205**	°C	ASTM D 648
Melting Temperature	**220**	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	**21**	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	**3.5**	-	ASTM D 150
Volume Resistivity	**1E17**	Ohm*cm	ASTM D 257
Arc Resistance	**180**	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	**1**	%	ASTM D 570
Density	**1340**	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

Applications

Automotive

Special Characteristics

High impact or impact modified

Regional Availability

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