

LUMID HI5083A(W)

(PA6+ABS)-MF8

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0075	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	49	MPa	ASTM D 638
Elongation at Break	37	%	ASTM D 638
Flexural Modulus	2351	MPa	ASTM D 790
Flexural Strength	73	MPa	ASTM D 790
Izod Impact notched, 1/4 in	99	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	80	E-6/K	ASTM D 696
DTUL @ 264 psi	89.4	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.6	%	ASTM D 570
Density	1110	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 90	°C	-
Pre-drying - Time	4 - 5	h	-
Melt temperature	260 - 275	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	245 - 260	°C	-
Zone 2	250 - 270	°C	-
Zone 3	250 - 270	°C	-
Nozzle temperature	260 - 275	°C	-

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical

Special Characteristics

High impact or impact modified

Regional Availability

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