

LUPOY MP5000AMK

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	39.2	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	1668	MPa	ASTM D 790
Flexural Strength	58.9	MPa	ASTM D 790
Izod Impact notched, 1/8 in	441	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	95 ⁽¹⁾	°C	ASTM D 648
1: 6.4 mm			

Other properties	Value	Unit	Test Standard
Density	1100	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 265	°C	-
Mold temperature	50 - 70	°C	-
Zone 1	235 - 260	°C	-
Zone 2	235 - 265	°C	-
Zone 3	235 - 265	°C	-
Nozzle temperature	235 - 265	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.5 - 1.5	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Platable

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

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