LUPOY GP5006AF

(PC+ABS) LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**6**	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	**51**	MPa	ASTM D 638
Elongation at Break	**60**	%	ASTM D 638
Flexural Modulus	**2158**	MPa	ASTM D 790
Flexural Strength	**78.5**	MPa	ASTM D 790
Rockwell Hardness	**R 108**	-	ASTM D 785
Izod Impact notched, 1/8 in	**424**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. 5V at thickness h	**5VB**	class	IEC 60695-11-20
Thickness tested	**3.0**	mm	-
ASTM Data			
UL 94 Flame rating	**V-0**	-	UL 94
Thickness tested	**1.7**	mm	-
DTUL @ 264 psi	**104**	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	**1170**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 100**	°C	-
Pre-drying - Time	**4 - 6**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**240 - 270**	°C	-
Mold temperature	**50 - 70**	°C	-
Zone 1	**240 - 270**	°C	-
Zone 2	**245 - 275**	°C	-
Zone 3	**245 - 275**	°C	-
Nozzle temperature	**245 - 275**	°C	-
Screw speed	**40 - 70**	rpm	-
Back pressure	**1 - 4**	MPa	-

Characteristics

Processing
Injection Molding

Applications
Electrical and Electronical

Special Characteristics
Flame retardant

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

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