

LUPOY ER5001RFZ

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	58.9	MPa	ASTM D 638
Elongation at Break	65	%	ASTM D 638
Flexural Modulus	2453	MPa	ASTM D 790
Flexural Strength	93.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	441	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	1.5	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.2	mm	-
DTUL @ 66 psi	87 ^[1]	°C	ASTM D 648

1: 6.4 mm

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	235 - 265	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	230 - 265	°C	-
Zone 2	235 - 270	°C	-
Zone 3	240 - 280	°C	-
Nozzle temperature	240 - 280	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	1 - 4	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Certifications

Recycled Resin Content

Applications

IT / Business Machine

Regional Availability

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