

LUPOY ER5001RF

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	56.9	MPa	ASTM D 638
Flexural Modulus	2551	MPa	ASTM D 790
Flexural Strength	93.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	491	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.2	mm	-
DTUL @ 66 psi	92	°C	ASTM D 648
Other properties			
Density	1180	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	235 - 265	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	225 - 240	°C	-
Zone 2	240 - 255	°C	-
Zone 3	250 - 265	°C	-
Nozzle temperature	250 - 265	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.02 - 0.06	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Applications

IT / Business Machine

Regional Availability

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