

**LUPOY SR3108FC**

PC

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	55.9	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2354	MPa	ASTM D 790
Flexural Strength	88.3	MPa	ASTM D 790
Rockwell Hardness	R 117	-	ASTM D 785
Izod Impact notched, 1/8 in	566	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	0.85	mm	-
DTUL @ 264 psi	126	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1250	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260 - 280	°C	-
Mold temperature	60 - 90	°C	-
Zone 1	250 - 280	°C	-
Zone 2	260 - 290	°C	-
Zone 3	260 - 290	°C	-
Nozzle temperature	260 - 280	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	1 - 4	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

White

**Special Characteristics**

Flame retardant, Halogen-free

**Features**

Light Reflecting

**Applications**

Electrical and Electronical

**Regional Availability**

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