

LUPOY SC5004T

(PC+Polyester)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
Value	Unit	Test Standard	
ASTM Data			
Tensile Strength at Yield	60.8	MPa	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	2256	MPa	ASTM D 790
Flexural Strength	97.1	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	660	J/m	ASTM D 256
Thermal properties			
Value	Unit	Test Standard	
ASTM Data			
DTUL @ 264 psi	123	°C	ASTM D 648
Other properties			
Value	Unit	Test Standard	
Density	1210	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	95 - 105	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	265 - 290	°C	-
Mold temperature	40 - 70	°C	-
Zone 1	260 - 270	°C	-
Zone 2	265 - 280	°C	-
Zone 3	265 - 280	°C	-
Nozzle temperature	265 - 295	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	1 - 4	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Transparent

Applications

Electrical and Electronical, General Purpose

Regional Availability

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