

LUPOX LW5102F

(PBT+PC)-GF10

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	54	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	3237	MPa	ASTM D 790
Flexural Strength	90.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	42.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1	mm	-
DTUL @ 66 psi	190	°C	ASTM D 648
DTUL @ 264 psi	140	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	245 - 255	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	235 - 250	°C	-
Zone 2	240 - 250	°C	-
Zone 3	245 - 255	°C	-
Nozzle temperature	245 - 255	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Features

Low Warpage

Applications

Automotive, Electrical and Electronical

Regional Availability

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