

LUPOX SG5500
(PBT+PET)-GF50

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	157	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	13720	MPa	ASTM D 790
Flexural Strength	235	MPa	ASTM D 790
Izod Impact notched, 1/8 in	84.8	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	205	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	1720	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	255 - 265	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	245 - 255	°C	-
Zone 2	250 - 260	°C	-
Zone 3	255 - 265	°C	-
Nozzle temperature	255 - 265	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

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

Applications

Automotive, Electrical and Electrical