

**LUPOX SG3180S**

(PBT+PET)-MF18

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.011	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Break	53	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	3630	MPa	ASTM D 790
Flexural Strength	90.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	29.2	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	190	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	1450	kg/m <sup>3</sup>	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