

**LUPOX TE5000S**

(PBT+PC)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0075</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>58.9</b>	MPa	ASTM D 638
Elongation at Break	<b>100</b>	%	ASTM D 638
Flexural Modulus	<b>2256</b>	MPa	ASTM D 790
Flexural Strength	<b>86.3</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>707</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>141</b>	J/m	ASTM D 256
Temperature	<b>-30</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>115</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>105</b>	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	<b>1210</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4 - 5</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>260 - 270</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>250 - 260</b>	°C	-
Zone 2	<b>250 - 260</b>	°C	-
Zone 3	<b>255 - 265</b>	°C	-
Nozzle temperature	<b>260 - 270</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather

**Applications**

Automotive

**Regional Availability**

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