

**LUPOX TE5000GH**

(PBT+PC)

LG Chem

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

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	55.9	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	1962	MPa	ASTM D 790
Flexural Strength	98.1	MPa	ASTM D 790
Izod Impact notched, 1/8 in	660	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	115	°C	ASTM D 648
DTUL @ 264 psi	100	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	1210	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	260 - 270	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	250 - 260	°C	-
Zone 2	250 - 260	°C	-
Zone 3	255 - 265	°C	-
Nozzle temperature	260 - 270	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Applications**

Automotive

**Regional Availability**

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