

**LUPOX HV1005S**

PBT

LG Chem

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.016</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>51</b>	MPa	ASTM D 638
Elongation at Break	<b>100</b>	%	ASTM D 638
Flexural Modulus	<b>2060</b>	MPa	ASTM D 790
Flexural Strength	<b>83.4</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>42.4</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>54</b>	°C	ASTM D 648
Melting Temperature	<b>225</b>	°C	ASTM D 3418
<b>Other properties</b>			
Density	<b>1300</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>100 - 120</b>	°C	-
Pre-drying - Time	<b>3 - 5</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>240 - 250</b>	°C	-
Mold temperature	<b>40 - 80</b>	°C	-
Zone 1	<b>230 - 235</b>	°C	-
Zone 2	<b>235 - 245</b>	°C	-
Zone 3	<b>235 - 245</b>	°C	-
Nozzle temperature	<b>240 - 250</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

IT / Business Machine

**Special Characteristics**

High impact or impact modified

**Regional Availability**

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