

**LUSEP GP2400**

PPS-GF40

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0015</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Break	<b>152</b>	MPa	ASTM D 638
Elongation at Break	<b>1.5</b>	%	ASTM D 638
Flexural Modulus	<b>11770</b>	MPa	ASTM D 790
Flexural Strength	<b>226</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>68.7</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>0.75</b>	mm	-
DTUL @ 66 psi	<b>250</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>250</b>	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	<b>1650</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>100 - 120</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>300 - 330</b>	°C	-
Mold temperature	<b>120 - 150</b>	°C	-
Zone 1	<b>300</b>	°C	-
Zone 2	<b>310</b>	°C	-
Zone 3	<b>320</b>	°C	-
Nozzle temperature	<b>330</b>	°C	-
Screw speed	<b>100</b>	rpm	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

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

**Applications**

General Purpose