

**LUPOY NS5000C**

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>4.8</b>	g/10min	ASTM D 1238
Temperature	<b>250</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.0065</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>53</b>	MPa	ASTM D 638
Elongation at Break	<b>100</b>	%	ASTM D 638
Flexural Modulus	<b>2158</b>	MPa	ASTM D 790
Flexural Strength	<b>85.3</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 114</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>660</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>518</b>	J/m	ASTM D 256
Temperature	<b>-30</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>114</b>	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	<b>1140</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80 - 100</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>250 - 275</b>	°C	-
Mold temperature	<b>50 - 70</b>	°C	-
Zone 1	<b>240 - 270</b>	°C	-
Zone 2	<b>245 - 275</b>	°C	-
Zone 3	<b>245 - 275</b>	°C	-
Nozzle temperature	<b>245 - 275</b>	°C	-
Screw speed	<b>40 - 70</b>	rpm	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Regional Availability**

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