

**LUCON PN9009**

PPS-MF

LG Chem

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>40</b>	g/10min	ASTM D 1238
Temperature	<b>320</b>	°C	-
Load	<b>5</b>	kg	-
Mold Shrinkage, MD	<b>0.007</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>49</b>	MPa	ASTM D 638
Flexural Modulus	<b>13730</b>	MPa	ASTM D 790
Flexural Strength	<b>88.3</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>18.9</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>260</b>	°C	ASTM D 648
Thermal Conductivity, solid state	<b>0.36</b>	W/(m K)	ASTM C 177
<b>Electrical properties</b>			
<b>ISO Data</b>			
Surface resistivity	<b>1E8</b>	Ohm	IEC 62631-3-2
<b>ASTM Data</b>			
Volume Resistivity	<b>1E10</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	<b>1950</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>120 - 140</b>	°C	-
Pre-drying - Time	<b>3 - 5</b>	h	-
Processing humidity	<b>≤0.01</b>	%	-
Melt temperature	<b>330</b>	°C	-
Mold temperature	<b>130 - 150</b>	°C	-
Zone 1	<b>280 - 310</b>	°C	-
Zone 2	<b>310 - 320</b>	°C	-
Zone 3	<b>320 - 325</b>	°C	-
Nozzle temperature	<b>310 - 330</b>	°C	-
Screw speed	<b>40 - 80</b>	rpm	-
Back pressure	<b>1 - 4</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat, Thermally Conductive

**Chemical Resistance**

General Chemical Resistance

**Applications**

Electrical and Electronical

**Regional Availability**

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