

**LUPOY PC 1080-70**

PC

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>70</b>	g/10min	ASTM D 1238
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Modulus	<b>2300</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>60</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>48</b>	MPa	ASTM D 638
Elongation at Yield	<b>6</b>	%	ASTM D 638
Elongation at Break	<b>60</b>	%	ASTM D 638
Flexural Modulus	<b>2500</b>	MPa	ASTM D 790
Flexural Strength	<b>100</b>	MPa	ASTM D 790
Rockwell Hardness	<b>M 58</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>270</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Coefficient of Thermal Expansion, MD	<b>68</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>137</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>124</b>	°C	ASTM D 648
Vicat Temperature	<b>147</b>	°C	ASTM D 1525
<b>Optical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Light Transmittance	<b>91</b>	%	ASTM D 1003
Index of Refraction	<b>1.58</b>	-	ASTM D 542
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Water Absorption, 24hr	<b>0.15</b>	%	ASTM D 570
Water Absorption, Equilibrium	<b>0.32</b>	%	ASTM D 570
Density	<b>1200</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Additives**

Release agent

**Regional Availability**

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

**Special Characteristics**

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