

**NG15-01NC**

PA6-GF15

Next Polymers Ltd.

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength	<b>120 / 70</b>	MPa	ASTM D 638
Elongation at Break	<b>4 / 12</b>	%	ASTM D 638
Flexural Modulus	<b>5200 / 2500</b>	MPa	ASTM D 790
Flexural Strength	<b>170 / -</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 120 /</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>63.8 / 128</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>0.8</b>	mm	-
DTUL @ 66 psi	<b>215</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>190</b>	°C	ASTM D 648
Melting Temperature	<b>220</b>	°C	ASTM D 3418

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>1E13 / 1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>* / 1E14</b>	Ohm	IEC 62631-3-2
Electric strength	<b>35 / 25</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>550 / -</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>2.3</b>	%	ASTM D 570
Water Absorption, Equilibrium	<b>7.7</b>	%	ASTM D 570
Density	<b>1230</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive

**Delivery form**

Natural Color

**Regional Availability**

Asia Pacific