

**PG15-01NC**

PA66-GF15

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.011</b>	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>5100 / 3200</b>	MPa	ASTM D 638
Tensile Strength	<b>120 / 85</b>	MPa	ASTM D 638
Elongation at Break	<b>4 / 7</b>	%	ASTM D 638
Flexural Modulus	<b>4800 / -</b>	MPa	ASTM D 790
Flexural Strength	<b>165 / -</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 120 / -</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>58.9 / 98.1</b>	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>0.8</b>	mm	-
DTUL @ 66 psi	<b>258</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>246</b>	°C	ASTM D 648
Melting Temperature	<b>262</b>	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	<b>&gt;1E13 / -</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>* / 1E14</b>	Ohm	IEC 62631-3-2
Electric strength	<b>24 / -</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>600 / -</b>	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>1.75</b>	%	ASTM D 570
Water Absorption, Equilibrium	<b>7.2</b>	%	ASTM D 570
Density	<b>1240</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Applications**

Encapsulation

**Delivery form**

Natural Color

**Regional Availability**

Asia Pacific