

**NGF20-01NC**

PA6-GF20

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.002</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.006</b>	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	<b>110 / 75</b>	MPa	ASTM D 638
Elongation at Break	<b>4 / 6</b>	%	ASTM D 638
Flexural Modulus	<b>6100 / 4800</b>	MPa	ASTM D 790
Flexural Strength	<b>140 / 120</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 125 /</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>78.5 / 98.1</b>	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>0.8</b>	mm	-
DTUL @ 66 psi	<b>200</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>150</b>	°C	ASTM D 648
Melting Temperature	<b>220</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
Electric strength	<b>26 / 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>5.85</b>	%	ASTM D 570
Density	<b>1400</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical, Encapsulation

**Delivery form**

Natural Color

**Regional Availability**

Asia Pacific

**Special Characteristics**

Flame retardant