

**NG35-02BK**

PA6-GF35

Next Polymers Ltd.

<b>Processing/Physical Characteristics</b>		<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>				
Mold Shrinkage, MD		<b>0.0025</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD		<b>0.007</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>		<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>				
Tensile Strength		<b>130 / 100</b>	MPa	ASTM D 638
Elongation at Break		<b>4 / 5</b>	%	ASTM D 638
Flexural Modulus		<b>8200 / 6100</b>	MPa	ASTM D 790
Flexural Strength		<b>190 / 150</b>	MPa	ASTM D 790
Rockwell Hardness		<b>R 130 /</b>	-	ASTM D 785
Izod Impact notched, 1/8 in		<b>98.1 / 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>210</b>	°C	ASTM D 648
DTUL @ 264 psi		<b>200</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 / 1E12</b>	Ohm*m	IEC 62631-3-1
Surface resistivity		<b>* / 1E12</b>	Ohm	IEC 62631-3-2
Electric strength		<b>26 / -</b>	kV/mm	IEC 60243-1
Comparative tracking index		<b>600 / -</b>	-	IEC 60112
<b>Other properties</b>		<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr		<b>1.4</b>	%	ASTM D 570
Water Absorption, Equilibrium		<b>6.8</b>	%	ASTM D 570
Density		<b>1400</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive, General Purpose

**Delivery form**

Black

**Regional Availability**

Asia Pacific