

**NG30-01BL**

PA6-GF30

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0028	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0082	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	160 / 110	MPa	ASTM D 638
Elongation at Break	4 / 7	%	ASTM D 638
Flexural Modulus	8600 / 6500	MPa	ASTM D 790
Flexural Strength	230 / 180	MPa	ASTM D 790
Rockwell Hardness	R 125 /	-	ASTM D 785
Izod Impact notched, 1/8 in	118 / 186	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	215	°C	ASTM D 648
DTUL @ 264 psi	210	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E12 / -	Ohm*m	IEC 62631-3-1
Electric strength	30 / 25	kV/mm	IEC 60243-1
Comparative tracking index	550 / -	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	2.1	%	ASTM D 570
Water Absorption, Equilibrium	5.8	%	ASTM D 570
Density	1360	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Applications**

Automotive, Electrical and Electronical, General Purpose