

NGIM30-01BK

PA6-GF30

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0039	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	145 / 100	MPa	ASTM D 638
Elongation at Break	4.5 / 10	%	ASTM D 638
Flexural Modulus	7400 / -	MPa	ASTM D 790
Flexural Strength	210 / -	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	196 / 314	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	147 / -	J/m	ASTM D 256
Temperature	-30	°C	-
Thermal properties			
	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	220	°C	ASTM D 648
DTUL @ 264 psi	200	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties			
	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / 1E11	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
Electric strength	26 / 20	kV/mm	IEC 60243-1
Comparative tracking index	- / 600	-	IEC 60112
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	2	%	ASTM D 570
Water Absorption, Equilibrium	6.2	%	ASTM D 570
Density	1320	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

Automotive, Encapsulation

Delivery form

Black

Regional Availability

Asia Pacific

Special Characteristics

High impact or impact modified