

NG50-01NC

PA6-GF50

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0015	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0048	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	230 / 155	MPa	ASTM D 638
Elongation at Break	3 / 5	%	ASTM D 638
Flexural Modulus	14000 / -	MPa	ASTM D 790
Flexural Strength	310 / -	MPa	ASTM D 790
Rockwell Hardness	R 130 / -	-	ASTM D 785
Izod Impact notched, 1/8 in	196 / -	J/m	ASTM D 256
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	215	°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	25 / 20	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.4	%	ASTM D 570
Water Absorption, Equilibrium	4.5	%	ASTM D 570
Density	1560	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Special Characteristics

High impact or impact modified

Features

Thermal Stability

Regional Availability

Asia Pacific