

NGF25-01BK

PA6-GF25

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0108	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0052	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	120 / 90	MPa	ASTM D 638
Elongation at Break	4 / 6	%	ASTM D 638
Flexural Modulus	7500 / -	MPa	ASTM D 790
Flexural Strength	210 / 180	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	78.5 / 98.1	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	210	°C	ASTM D 648
DTUL @ 264 psi	185	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13 / 1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	* / >1E15	Ohm	IEC 62631-3-2
Electric strength	26 / 24	kV/mm	IEC 60243-1
Comparative tracking index	350 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.7	%	ASTM D 570
Water Absorption, Equilibrium	6.5	%	ASTM D 570
Density	1390	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical

Delivery form

Black

Regional Availability

Asia Pacific

Special Characteristics

Flame retardant