

NGF2 20-01GY

PA6-GF20

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Modulus	5800 / -	MPa	ASTM D 638
Tensile Strength	120 / 80	MPa	ASTM D 638
Elongation at Break	4 / 7	%	ASTM D 638
Flexural Modulus	5600 / 2400	MPa	ASTM D 790
Flexural Strength	180 / 150	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	78.5 / 118	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	210	°C	ASTM D 648
DTUL @ 264 psi	170	°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	30 / 25	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	6.5	%	ASTM D 570
Density	1320	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Applications

Electrical and Electronical, Encapsulation

Regional Availability

Asia Pacific