

NG20-01GY

PA6-GF15

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0117	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	120 / 75	MPa	ASTM D 638
Elongation at Break	4 / 7	%	ASTM D 638
Flexural Modulus	6500 / 5100	MPa	ASTM D 790
Flexural Strength	175 / -	MPa	ASTM D 790
Rockwell Hardness	R 125 /	-	ASTM D 785
Izod Impact notched, 1/8 in	58.9 / 78.5	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	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	* / 1E14	Ohm	IEC 62631-3-2
Electric strength	26 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	2.12	%	ASTM D 570
Water Absorption, Equilibrium	5.85	%	ASTM D 570
Density	1300	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific