

**PGF25-01NC**

PA66-GF25

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.009	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	9000 / 6500	MPa	ASTM D 638
Tensile Strength	130 / 105	MPa	ASTM D 638
Elongation at Break	3 / 6	%	ASTM D 638
Flexural Modulus	7500 / 6000	MPa	ASTM D 790
Flexural Strength	250 / 160	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	78.5 / 88.3	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	260	°C	ASTM D 648
DTUL @ 264 psi	250	°C	ASTM D 648
Melting Temperature	262	°C	ASTM D 3418

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
Electric strength	25 / -	kV/mm	IEC 60243-1
Comparative tracking index	375 / -	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.75	%	ASTM D 570
Water Absorption, Equilibrium	5.6	%	ASTM D 570
Density	1380	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

Flame retardant

**Applications**

Electrical and Electronical, General Purpose

**Regional Availability**

Asia Pacific