

PGF25-01BL

PA66-GF25

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
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
ASTM Data			
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
ASTM Data			
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
ISO Data			
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 ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical, Encapsulation

Special Characteristics

Flame retardant

Regional Availability

Asia Pacific