

PGF25-01BK

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 Strength	130 / 100	MPa	ASTM D 638
Elongation at Break	3 / 5	%	ASTM D 638
Flexural Modulus	7500 / 600	MPa	ASTM D 790
Flexural Strength	210 / 140	MPa	ASTM D 790
Rockwell Hardness	R 125 /	-	ASTM D 785
Izod Impact notched, 1/8 in	83.4 / 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	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 / 1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
Electric strength	26 / 25	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.75	%	ASTM D 570
Water Absorption, Equilibrium	6.4	%	ASTM D 570
Density	1380	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant

Applications

Electrical and Electronical, Encapsulation

Regional Availability

Asia Pacific