

**PG15-01ABK**

PA66-GF15

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0059	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.011	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	5200 / 3200	MPa	ASTM D 638
Tensile Strength	122 / 90	MPa	ASTM D 638
Elongation at Break	4 / 7	%	ASTM D 638
Flexural Modulus	4800 / -	MPa	ASTM D 790
Flexural Strength	185 / -	MPa	ASTM D 790
Rockwell Hardness	R 120 / -	-	ASTM D 785
Izod Impact notched, 1/8 in	58.9 / 98.1	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	258	°C	ASTM D 648
DTUL @ 264 psi	246	°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	24 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.8	%	ASTM D 570
Water Absorption, Equilibrium	6.85	%	ASTM D 570
Density	1240	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

Heat stabilized or stable to heat

**Applications**

Electrical and Electronical, Encapsulation

**Regional Availability**

Asia Pacific