

NG15-02BK

PA6-GF15

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.013	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	90 / 65	MPa	ASTM D 638
Elongation at Break	4 / 7	%	ASTM D 638
Flexural Modulus	4800 / 2600	MPa	ASTM D 790
Flexural Strength	140 / 110	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	49.1 / 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	28 / 25	kV/mm	IEC 60243-1
Comparative tracking index	500 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	2.1	%	ASTM D 570
Water Absorption, Equilibrium	6.85	%	ASTM D 570
Density	1240	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Delivery form

Black