

NXF-01BK

PA6

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0115	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.012	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	75 / 60	MPa	ASTM D 638
Elongation at Break	15 / 25	%	ASTM D 638
Flexural Modulus	2900 / 2600	MPa	ASTM D 790
Flexural Strength	105 / -	MPa	ASTM D 790
Rockwell Hardness	R 85 / -	-	ASTM D 785
Izod Impact notched, 1/8 in	58.9 / 78.5	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	120	°C	ASTM D 648
DTUL @ 264 psi	85	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E15	Ohm	IEC 62631-3-2
Electric strength	34 / -	kV/mm	IEC 60243-1
Comparative tracking index	- / 475	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.1	%	ASTM D 570
Water Absorption, Equilibrium	6.4	%	ASTM D 570
Density	1170	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Black

Regional Availability

Asia Pacific