

**PXF-01NC**

PA66

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0105	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0105	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	3600 / 2100	MPa	ASTM D 638
Tensile Strength	80 / 55	MPa	ASTM D 638
Elongation at Yield	6 / 15	%	ASTM D 638
Flexural Modulus	3200 / 1900	MPa	ASTM D 790
Flexural Strength	110 / 80	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
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	225	°C	ASTM D 648
DTUL @ 264 psi	85	°C	ASTM D 648
Melting Temperature	260	°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	* / 1E15	Ohm	IEC 62631-3-2
Electric strength	18 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.5	%	ASTM D 570
Water Absorption, Equilibrium	7.5	%	ASTM D 570
Density	1180	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

Flame retardant

**Applications**

Electrical and Electronical

**Regional Availability**

Asia Pacific