

NMT-01NC

PA6

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.013	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	70 / 45	MPa	ASTM D 638
Elongation at Break	65 / 100	%	ASTM D 638
Flexural Modulus	2950 / -	MPa	ASTM D 790
Flexural Strength	120 / -	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	78.5 / 147	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	180	°C	ASTM D 648
DTUL @ 264 psi	65	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	550 / -	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	20 / -	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	150 / -	-	ASTM D 150
Arc Resistance	120 / -	s	ASTM D 495
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.8	%	ASTM D 570
Water Absorption, Equilibrium	8.2	%	ASTM D 570
Density	1100	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Special Characteristics

High impact or impact modified

Applications

Automotive

Regional Availability

Asia Pacific