

**NM30-01BK**

PA6-MX30

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0069	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0079	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	80 / 40	MPa	ASTM D 638
Elongation at Break	4 / 15	%	ASTM D 638
Flexural Modulus	6000 / -	MPa	ASTM D 790
Flexural Strength	130 / -	MPa	ASTM D 790
Rockwell Hardness	R 115 /	-	ASTM D 785
Izod Impact notched, 1/8 in	49.1 / 88.3	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	200	°C	ASTM D 648
DTUL @ 264 psi	135	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E13 / 1E11	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Electric strength	30 / 25	kV/mm	IEC 60243-1
Comparative tracking index	500 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.9	%	ASTM D 570
Water Absorption, Equilibrium	6.6	%	ASTM D 570
Density	1380	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Features**

Low Warpage

**Applications**

Automotive, Encapsulation

**Regional Availability**

Asia Pacific