

PX-01GY

PA66

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	90 / 70	MPa	ASTM D 638
Elongation at Break	20 / 40	%	ASTM D 638
Flexural Modulus	3100 / 2900	MPa	ASTM D 790
Flexural Strength	120 / 85	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	V-2	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	205	°C	ASTM D 648
DTUL @ 264 psi	80	°C	ASTM D 648
Melting Temperature	262	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E11 / 1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Electric strength	22 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	2.2	%	ASTM D 570
Water Absorption, Equilibrium	6.5	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

General Purpose, Packaging

Features

Thermal Stability

Regional Availability

Asia Pacific