

PX-01BK

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

Delivery form

Black

Features

Thermal Stability

Applications

General Purpose, Packaging

Regional Availability

Asia Pacific