

NM15-01BK

PA6-MX15

Next Polymers Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------------|-------------------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.0052 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.0068 | mm/mm | ASTM D 955 |
| Mechanical properties | dry / cond | Unit | Test Standard |
| ASTM Data | | | |
| Tensile Strength | 70 / 35 | MPa | ASTM D 638 |
| Elongation at Break | 7 / 15 | % | ASTM D 638 |
| Flexural Modulus | 2900 / - | MPa | ASTM D 790 |
| Flexural Strength | 90 / - | 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 |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 0.8 | mm | - |
| DTUL @ 66 psi | 195 | °C | ASTM D 648 |
| DTUL @ 264 psi | 130 | °C | ASTM D 648 |
| Melting Temperature | 220 | °C | ASTM D 3418 |
| Electrical properties | dry / cond | Unit | Test Standard |
| ISO Data | | | |
| 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 | 1.8 | % | ASTM D 570 |
| Water Absorption, Equilibrium | 6.5 | % | ASTM D 570 |
| Density | 1250 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Injection Molding

Applications

Automotive, Encapsulation

Delivery form

Black

Regional Availability

Asia Pacific

Features

Low Warpage