# LNP™ STAT-LOY™ COMPOUND N30009

PCA-FR
REGION ASIA

## DESCRIPTION

LNP* STAT-LOY* N30009 is a compound based on PC+ABS Blend resin. Added features of this material include: Antistat, Flame Retardant.

## TYPICAL PROPERTY VALUES

Revision 20190717

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| MECHANICAL | | | |
| Tensile Stress, yield | 55 | MPa | ASTM D 638 |
| Tensile Stress, break | 49 | MPa | ASTM D 638 |
| Tensile Strain, yield | 5 | % | ASTM D 638 |
| Tensile Strain, break | 100 | % | ASTM D 638 |
| Tensile Modulus, 50 mm/min | 2150 | MPa | ASTM D 638 |
| Flexural Stress | 84 | MPa | ASTM D 790 |
| Flexural Modulus | 2150 | MPa | ASTM D 790 |
| IMPACT | | | |
| Izod Impact, notched, 23°C | 640 | J/m | ASTM D 256 |
| Instrumented Impact Energy @ peak, 23°C | 38 | J | ASTM D 3763 |
| THERMAL | | | |
| HDT, 1.82 MPa, 3.2mm, unannealed | 100 | °C | ASTM D 648 |
| Relative Temp Index, Elec [1] | 60 | °C | UL 746B |
| Relative Temp Index, Mech w/impact [1] | 60 | °C | UL 746B |
| Relative Temp Index, Mech w/o impact [1] | 60 | °C | UL 746B |
| PHYSICAL | | | |
| Density | 1.26 | g/cm³ | ASTM D 792 |
| Mold Shrinkage, flow, 24 hrs | 0.53 – 0.65 | % | ASTM D 955 |
| Mold Shrinkage, xflow, 24 hrs | 0.53 – 0.65 | % | ASTM D 955 |
| ELECTRICAL | | | |
| Surface Resistivity | 1.E+10 – 1.E+12 | Ohm | ASTM D 257 |
| FLAME CHARACTERISTICS [1] | | | |
| UL Yellow Card Link | E207780-103093505 | - | - |
| UL Recognized, 94V-0 Flame Class Rating | 1.5 | mm | UL 94 |
| INJECTION MOLDING | | | |
| Drying Temperature | 80 | °C | |
| Drying Time | 4 | hrs | |
| Maximum Moisture Content | 0.02 | % | |
| Melt Temperature | 200 – 230 | °C | |
| Front - Zone 3 Temperature | 220 – 230 | °C | |
| Middle - Zone 2 Temperature | 210 – 220 | °C | |
| Rear - Zone 1 Temperature | 200 – 210 | °C | |
| Mold Temperature | 40 – 55 | °C | |

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| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| **Back Pressure** | 0.2 – 0.3 | MPa | |
| **Screw Speed** | 30 – 60 | rpm | |

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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