

LNP* Stat-loy* Compound A3000TXJ

Americas: COMMERCIAL

Also known as: LNP* Stat-loy* Compound A3000TXJ

Product reorder name: A3000TXJ

LNP* Stat-Loy* A3000TXJ is a product based on ABS resin featuring a permanent anti-static characteristic. Added features include: Transparent, Formulated with FDA Food Contact Additives.

| TYPICAL PROPERTIES ¹ | TYPICAL VALUE | Unit | Standard |
|----------------------------------------------|-----------------|---------------------|------------|
| MECHANICAL | | | |
| Tensile Stress, brk, Type I, 5 mm/min | 380 | kgf/cm ² | ASTM D 638 |
| Tensile Strain, yld, Type I, 5 mm/min | 4 | % | ASTM D 638 |
| Tensile Modulus, 5 mm/min | 18000 | kgf/cm ² | ASTM D 638 |
| Flexural Stress, brk, 1.3 mm/min, 50 mm span | 550 | kgf/cm ² | ASTM D 790 |
| Flexural Modulus, 1.3 mm/min, 50 mm span | 16100 | kgf/cm ² | ASTM D 790 |
| IMPACT | | | |
| Izod Impact, notched, 23°C | 18 | cm-kgf/cm | ASTM D 256 |
| THERMAL | | | |
| HDT, 1.82 MPa, 3.2mm, unannealed | 77 | °C | ASTM D 648 |
| PHYSICAL | | | |
| Specific Gravity | 1.09 | - | ASTM D 792 |
| ELECTRICAL | | | |
| Volume Resistivity | 1.E+10 - 1.E+12 | Ohm-cm | ASTM D 257 |
| Surface Resistivity | 1.E+10 - 1.E+12 | Ohm | ASTM D 257 |
| Static Decay, 5000V to <50V | <1 | < seconds | FTMS101B |

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23±176;C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

Source GMD, last updated:

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| PROCESSING PARAMETERS | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| Injection Molding | | |
| Drying Temperature | 70 - 80 | °C |
| Drying Time | 4 | hrs |
| Maximum Moisture Content | 0.05 - 0.1 | % |
| Melt Temperature | 200 - 210 | °C |
| Front - Zone 3 Temperature | 205 - 215 | °C |
| Middle - Zone 2 Temperature | 195 - 205 | °C |
| Rear - Zone 1 Temperature | 180 - 195 | °C |
| Mold Temperature | 10 - 50 | °C |
| Back Pressure | 0.2 - 0.3 | MPa |
| Screw Speed | 30 - 60 | rpm |

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