



LNP™ STAT-KON™ Compound EX01696C

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-E-01696 CCS

Product reorder name: EX01696C

LNP STAT-KON EX01696C is a compound based on Polyetherimide resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive, Clean Compounding System.

| TYPICAL PROPERTIES ¹ | TYPICAL VALUE | Unit | Standard |
|--|-----------------|---------------------|-------------|
| MECHANICAL | | | |
| Tensile Stress, brk, Type I, 5 mm/min | 960 | kgf/cm ² | ASTM D 638 |
| Tensile Strain, brk, Type I, 5 mm/min | 3.6 | % | ASTM D 638 |
| Tensile Modulus, 50 mm/min | 37600 | kgf/cm ² | ASTM D 638 |
| Flexural Stress, brk, 1.3 mm/min, 50 mm span | 1630 | kgf/cm ² | ASTM D 790 |
| Flexural Modulus, 1.3 mm/min, 50 mm span | 37000 | kgf/cm ² | ASTM D 790 |
| IMPACT | | | |
| Izod Impact, unnotched, 23°C | 49 | cm-kgf/cm | ASTM D 4812 |
| Izod Impact, notched, 23°C | 3 | cm-kgf/cm | ASTM D 256 |
| PHYSICAL | | | |
| Density | 1.38 | g/cm ³ | ASTM D 792 |
| ELECTRICAL | | | |
| Surface Resistivity | 1.E+06 - 1.E+08 | Ohm | ASTM D 257 |

(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°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.

(6) Needs hard coat to consistently pass 60 sec Vertical Burn.

Source GMD, last updated:

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| PROCESSING PARAMETERS | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| Injection Molding | | |
| Drying Temperature | 120 - 150 | °C |
| Drying Time | 4 - 6 | hrs |
| Maximum Moisture Content | 0.02 | % |
| Melt Temperature | 360 - 365 | °C |
| Front - Zone 3 Temperature | 365 - 375 | °C |
| Middle - Zone 2 Temperature | 355 - 365 | °C |
| Rear - Zone 1 Temperature | 345 - 355 | °C |
| Mold Temperature | 120 - 150 | °C |
| Back Pressure | 0.3 - 0.7 | MPa |
| Screw Speed | 60 - 100 | rpm |

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