

TAC – W13A01

Description:

TAC-W13A01 is a Kevlar, Graphite, and Ceramic filled Bulk Molding Compound manufactured and designed to have outstanding wear characteristics and resistant to galvanic corrosion from salt water. Typical applications include wear bushings and bearings, and more.

| Mechanical Properties | Value | Unit | Test Method |
|--|----------|----------|-------------|
| Tensile Strength | 35.5 | MPa | ASTM D638 |
| Tensile Elongation at Break | 7.6% | - | ASTM D638 |
| Un-notched Izod Impact ⁽¹⁾ | 473 | J/m | ASTM D256 |
| Compressive Strength | 193-220 | MPa | Provisional |
| Thermal Properties | Value | Unit | Test Method |
| Coefficient of Thermal Expansion | | - | - |
| 25°C to 209 °C | 4.40E-06 | (µm/m°C) | DMA |
| 209°C to 350 °C | 5.40E-06 | (µm/m°C) | DMA |
| Electrical Properties | Value | Unit | Test Method |
| Electrical Resistivity (through plane) | 4.20E+00 | Ω/cm | C-Therm |
| Other Properties | Value | Unit | Test Method |
| Glass Transition (T _g) | | | |
| Post Baked | 237 | °C | DMA |
| Un-Post Baked | 221 | °C | DMA |
| Water Absorption ⁽²⁾ | 0.01% | - | ASTM D 570 |
| Specific Gravity | 1.84 | | |

(1) Test conducted at a room temperature of 22°C

(2) Test conducted in temperature controlled water of 23°C for 24 hours

Disclaimer:

NOTICE TO USERS: All values represented are based on laboratory tests and does not represent or reflect conditions that exist in production. The data provided should not be used to or intended to substitute for any testing you may need to conduct to determine suitability of a material for a particular use. No warranty or legal responsibility is accepted or implied, and all information is accepted at buyer's risk. This information may be subject to revision as new knowledge and experience become available.