



TRIVALENCE

Headquarters
3001 Maxx Road
Evansville, IN 47711
800.209.2517

TriLEC PP24AS (U)

trivalencetechnologies.com

Electrically Conductive Polypropylene (PP)

General Information

Product Description

Anti-Static PP, impact modified.

FEATURES

- Good Impact Copolymer
- EMI/ESD/RFI
- Medium Flow

ADDITIONAL FORMULAS

- Additional UV "U"
- (C, ESD) grades also available.

COLOR

- All
- Opaque



General

Typical Applications

-Transportation, defense, packaging, conveyment, casters.

Processing Method

-Injection/Extrusion

Form(s)

-Pellets

Availability

-North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical

| | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|--------------|
| Density | 0.99 | g/cm ³ | ASTM D792 |
| Melt Flow Rate (230°C/2.16kg) | 20 | g/10min | ASTM D1238 |
| Molding Shrinkage - Flow (3.2mm) | 1.3 to 1.6 | % | TVT Internal |
| Outdoor Suitability (QUV) ("U" Grades) | Pass | | TVT Internal |

Mechanical

| | Nominal Value | Unit | Test Method |
|-----------------------------|---------------|-----------|-------------|
| Tensile Strength, yld | 3500 | psi | ASTM D638 |
| Tensile Elongation, yld | >8 | % | ASTM D638 |
| Flexural Modulus | 180000 | psi | ASTM D790 |
| Unnotched Izod Impact (73F) | 12 | ft-lbs/in | ASTM D256 |

Electrical

| | Nominal Value | Unit | Test Method |
|---------------------|---|-------------------|-------------|
| Surface Resistivity | 1 x 10 ¹¹ - 1 x 10 ¹² | Ω/cm ² | ASTM D257 |

Flammability

| | Nominal Value | Unit | Test Method |
|---------|---------------|------|---------------------|
| 0.06 in | HB | | UL94 - TVT Internal |

Recommended Processing Guidance

| | |
|-----------------------------|---------------|
| Drying Temperature | 160 to 180 °F |
| Drying Time | 2 to 4 Hours |
| Suggested Max Moisture | 0.02 % |
| Processing Melt Temperature | 380 to 440 °F |
| Mold Temperature | 80 to 140 °F |

¹ Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.