



TRIVALENCE

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TriVOL 12T40 (U,R)

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Polypropylene

General Information

Product Description

Copolymer PP, talc reinforced. melt flow ranges (4-12)

FEATURES

-RoHS/REACH Compliant - Low Flow
-Copolymer
-40% Talc Reinforced

ADDITIONAL FORMULAS

-Added Release "R"
-Added UV "U"

COLOR

-All

General

Typical Applications -Appliance, electrical, lawn & garden, automotive, packaging, industrial
Processing Method -Injection
Form(s) -Pellets
Availability -North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|--------------|
| Density | 1.21 | g/cm ³ | ASTM D792 |
| Melt Flow Rate (230°C/2.16kg) | 8 | g/10min | ASTM D1238 |
| Outdoor Suitability (QUV) ("U" grades) | Pass | | TVT Internal |

| Mechanical | Nominal Value | Unit | Test Method |
|---------------------|---------------|-----------|-------------|
| Tensile Strength | 4,300 | psi | ASTM D638 |
| Tensile Elongation | >5 | % | ASTM D638 |
| Flexural Modulus | 250,000 | psi | ASTM D790 |
| Notched Izod Impact | 1.5 | ft-lbs/in | ASTM D256 |

| Thermal | Nominal Value | Unit | Test Method |
|--|---------------|------|-------------|
| Deflection Temperature Under Load (0.45 MPa) | 260 | °F | ASTM D648 |

| Flammability | Nominal Value | Unit | Test Method |
|--------------|---------------|------|-------------------|
| 0.06 in | HB | | UL94 File E494706 |

| Recommended Processing Guidance | Nominal Value | Unit |
|---------------------------------|---------------|-------|
| Drying Temperature | 160 to 200 | °F |
| Drying Time | 1 to 3 | Hours |
| Suggested Max Moisture | 0.05 | % |
| Processing Melt Temperature | 410 to 480 | °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.