

Arnite® A06 102

Envalior - Polyethylene Terephthalate

General Information

Product Description

Very High Viscosity, Extrusion, Food Contact Quality

General

| | | | |
|-------------------|---------------------------|---------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| | • Asia Pacific | • Latin America | |
| Features | • Food Contact Acceptable | • High Viscosity | |
| Processing Method | • Extrusion | • Injection Molding | |
| Resin ID | • PET | | |

 Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|------------------------|----------------------|
| Density | 1.39 | g/cm ³ | ISO 1183 |
| Melt Volume-Flow Rate (MVR) (270°C/2.16 kg) | 4.0 | cm ³ /10min | ISO 1133 |
| Water Absorption (Equilibrium, 73°F, 50% RH) | 0.30 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 363000 | psi | ISO 527-1 |
| Tensile Stress (Yield) | 10900 | psi | ISO 527-2 |
| Tensile Strain (Yield) | 4.0 | % | ISO 527-2 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 1.9 | ft·lb/in ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature ² | 491 | °F | ISO 11357-3 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity | > 1.0E+13 | ohms·m | IEC 62631-3-1 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 0.06 in | HB | | |
| 0.12 in | HB | | |
| Flammability Classification | | | IEC 60695-11-10, -20 |
| 0.06 in | HB | | |
| 0.12 in | HB | | |
| Oxygen Index | 25 | % | ISO 4589-2 |
| Additional Information | Nominal Value | Unit | Test Method |
| RSV - m-cresol, 1g/100ml | 2.13 | | Internal Method |

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min
