

Arnite[®] A02 307

PET

Low Viscosity, Injection Molding or Extrusion Grade, Food Contact Quality

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| PROPERTIES | TYPICAL DATA | UNIT | TEST METHOD |
|---|--------------|------------------------|----------------|
| RHEOLOGICAL PROPERTIES | | VALUE | |
| Melt volume-flow rate | 65 | cm ³ /10min | ISO 1133 |
| Temperature | 290 | °C | ISO 1133 |
| Load | 5 | kg | ISO 1133 |
| Molding shrinkage (normal) | 1.6 | % | ISO 294-4 |
| Molding shrinkage (parallel) | 1.6 | % | ISO 294-4 |
| MECHANICAL PROPERTIES | | VALUE | |
| Tensile modulus | 2500 | MPa | ISO 527-1/-2 |
| Yield stress | 58 | MPa | ISO 527-1/-2 |
| Stress at break | 58 | MPa | ISO 527-1/-2 |
| THERMAL PROPERTIES | | VALUE | |
| Melting temperature (10°C/min) | 255 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load (0.45 MPa) | 68 | °C | ISO 75-1/-2 |
| ELECTRICAL PROPERTIES | | VALUE | |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| OTHER PROPERTIES | | VALUE | |
| Humidity absorption | 0.3 | % | Sim. to ISO 62 |
| Density | 1160 | kg/m ³ | ISO 1183 |

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