

DURACON® PW-01LV

Polyplastics - Acetal (POM) Copolymer

General Information

Product Description

Low VOC

High Sliding

General

| | | | |
|-------------------------------|------------------------|-----------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| | • Asia Pacific | • Latin America | |
| Features | • Copolymer | • Low Friction | • Low VOC |
| UL File Number | • E45034 | | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |
| Part Marking Code (ISO 11469) | • POM | | |

 Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---------------------------------------------------------|---------------|------------------------|-----------------|
| Density | 1.41 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 9.0 | g/10 min | ISO 1133 |
| Melt Volume-Flow Rate (MVR) (190°C/2.16 kg) | 8.0 | cm ³ /10min | ISO 1133 |
| Molding Shrinkage ² | | | ISO 294-4 |
| Across Flow : 0.0787 in | 2.1 | % | |
| Flow : 0.0787 in | 2.4 | % | |
| Water Absorption (24 hr, 73°F, 0.0394 in) | 0.60 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 363000 | psi | ISO 527-1 |
| Tensile Stress | 8850 | psi | ISO 527-2 |
| Nominal Tensile Strain at Break | 30 | % | ISO 527-2 |
| Flexural Modulus | 334000 | psi | ISO 178 |
| Flexural Stress | 12000 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 2.9 | ft·lb/in ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 203 | °F | ISO 75-2/A |
| CLTE - Flow (73 to 131°F) | 6.7E-5 | in/in/°F | Internal Method |
| CLTE - Transverse (73 to 131°F) | 6.7E-5 | in/in/°F | Internal Method |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | HB | | UL 94 |
| Additional Information | Nominal Value | Unit | Test Method |
| Color Number | CF2001/CD3501 | | |

Notes

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

² 60x60x2mmt, Cavity Pressure 60 MPa
