

MAXATEL® AH527UV-NC010

Acetal (POM) Homopolymer

Pier One Polymers, Inc.

Message:

MAXATEL®AH527UV-NC010 is a polyoxymethylene (POM) homopolymer material. This product is available in North America and is processed by injection molding.

MAXATEL®The main features of the AH527UV-NC010 are:

Homopolymer

Good UV resistance

| General Information | | | |
|---|--------------------|-------------------|-------------|
| Features | Homopolymer | | |
| | Good UV resistance | | |
| Appearance | Natural color | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.41 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/1.05 kg) | 7.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (23°C) | 68.9 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 30 | % | ASTM D638 |
| Flexural Modulus (23°C) | 3100 | MPa | ASTM D790 |
| Flexural Strength (23°C) | 103 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 75 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 127 | °C | ASTM D648 |
| Peak Melting Temperature | 175 | °C | ASTM D3418 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 79 | °C | |
| Drying Time | 2.0 | hr | |
| Processing (Melt) Temp | 195 - 215 | °C | |
| Mold Temperature | 40 - 60 | °C | |

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Recommended distributors for this material

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