

ARC ARC5009

Acetal (POM) Copolymer

ARC Resin Corporation

Message:

ARC ARC5009 is an Acetal (POM) Copolymer material. It is available in North America. Primary attribute of ARC ARC5009: Copolymer.

| General Information | | | |
|---|---------------|-------------------|-------------|
| Features | Copolymer | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.41 | g/cm ³ | ASTM D792 |
| Molding Shrinkage | | | ASTM D955 |
| Flow | 2.0 | % | |
| Across Flow | 1.8 | % | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 64.8 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 35 to 45 | % | ASTM D638 |
| Flexural Modulus | 2480 | MPa | ASTM D790 |
| Flexural Strength | 91.4 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 75 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 110 | °C | ASTM D648 |
| Peak Melting Temperature | 160 to 165 | °C | ASTM D789 |

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