**Suyuan Polymers**
Plastic Raw Materials

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Polyoxymethylene

# POM M90

Injection Molding Grade

**Features** High viscosity, wear resistance, high flow, weather resistance, general purpose.

**Applications** Electrical, electronics, household appliances, pump parts, automotive electronics, accessories, gears, bearings, wheels, automotive exterior parts, thin-wall parts, valves/valve parts, automotive under-hood components.

| Property | Condition | Method | Value | Unit |
|---|---|---|---|---|
| **Physical Properties** | | | | |
| Density | — | ISO 1183 | **1.41** | g/cm³ |
| Melt Mass-Flow Rate | 190 °C / 2.16 kg | ISO 1133 | **9.0** | g/10min |
| Water Absorption | 23 °C, 24 h | ISO 62 | **0.30** | % |
| **Mechanical Properties** | | | | |
| Tensile Modulus | — | ISO 527-2 | **2600** | MPa |
| Tensile Strength | At yield | ISO 527-2 | **61.0** | MPa |
| Elongation | At break | ISO 527-2 | **35** | % |
| Flexural Modulus | — | ISO 178 | **2600** | MPa |
| Flexural Strength | — | ISO 178 | **90.0** | MPa |
| Notched Charpy Impact Strength | — | ISO 179/1eA | **6.0** | kJ/m² |
| **Thermal Properties** | | | | |
| Heat Deflection Temperature | 1.8 MPa, unannealed | ISO 75-2/A | **95.0** | °C |
| **Flammability** | | | | |
| UL Flammability Rating | — | UL 94 | **HB** | — |

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Note: Data are for reference only and do not constitute guaranteed specifications. Suitability for the intended application should be verified by testing. Contact us for further technical information.