

## PTS POM-25 Acetal Copolymer

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

**Material Notes:**

Information provided by PTS LLC.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PTS-POM-25-Acetal-Copolymer.php](http://www.lookpolymers.com/polymer_PTS-POM-25-Acetal-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ISO 1183
Linear Mold Shrinkage, Flow	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	Horizontal
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	78	78	ISO 2039-2
Tensile Strength at Break	59.0 MPa	8560 psi	ISO 527-1/2
Elongation at Break	45 %	45 %	ISO 527-1/2
Tensile Modulus	2.35 GPa	341 ksi	ISO 527-1/2
Flexural Strength	83.0 MPa	12000 psi	ISO 178
Flexural Modulus	2.20 GPa	319 ksi	ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear	120 µm/m-°C	66.7 µin/in-°F	ISO 11359
Melting Point	165 °C	329 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	ISO 75

## Contact Songhan Plastic Technology Co.,Ltd.

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