

## Isoflon POM H Polyacetal H

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

### Material Notes:

Good optical properties High UV resistance Absorbs little moisture Information provided by Isoflon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Isoflon-POM-H-Polyacetal-H.php](http://www.lookpolymers.com/polymer_Isoflon-POM-H-Polyacetal-H.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	DIN 53479
Water Absorption	0.16 %	0.16 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	70.0 MPa	10200 psi	DIN 53455
Elongation at Break	25 %	25 %	DIN 53455
Tensile Modulus	3.20 GPa	464 ksi	DIN 53457

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	50.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	DIN 52328
Thermal Conductivity	0.230 W/m-K	1.60 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	DIN 52612
Melting Point	175 $\text{Å}^\circ\text{C}$	347 $\text{Å}^\circ\text{F}$	DIN 53736
Maximum Service Temperature, Air	80.0 $\text{Å}^\circ\text{C}$	176 $\text{Å}^\circ\text{F}$	Continuous; DIN 52612
Deflection Temperature at 1.8 MPa (264 psi)	124 $\text{Å}^\circ\text{C}$	255 $\text{Å}^\circ\text{F}$	
Minimum Service Temperature, Air	-50.0 $\text{Å}^\circ\text{C}$	-58.0 $\text{Å}^\circ\text{F}$	Continuous; DIN 52612
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	DIN 53482
Dielectric Constant	3.7	3.7	DIN 53483
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	20.0 - 65.0 kV/mm	508 - 1650 kV/in	DIN 53481

Descriptive Properties	Value	Comments
Color	Nat.	

## Contact Songhan Plastic Technology Co.,Ltd.

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