

## Isoflon PUR Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

Very high wear resistance Highly resilient Information provided by Isoflon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Isoflon-PUR-Polyurethane.php](http://www.lookpolymers.com/polymer_Isoflon-PUR-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	DIN 53479
Water Absorption	0.30 - 0.50 %	0.30 - 0.50 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D785
Hardness, Shore D	60	60	DIN 53505
Tensile Strength	0.300 - 0.390 MPa	43.5 - 56.6 psi	DIN 53455
Elongation at Break	200 - 800 %	200 - 800 %	DIN 53455
Tensile Modulus	0.00800 - 0.700 GPa	1.16 - 102 ksi	DIN 53457

Thermal Properties	Metric	English	Comments
CTE, linear	160 - 190 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	88.9 - 106 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	DIN 52328
Thermal Conductivity	0.290 W/m-K	2.01 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	DIN 52612
Maximum Service Temperature, Air	80.0 $\text{Å}^\circ\text{C}$	176 $\text{Å}^\circ\text{F}$	Continuous; DIN 52612
Minimum Service Temperature, Air	-70.0 $\text{Å}^\circ\text{C}$	-94.0 $\text{Å}^\circ\text{F}$	Continuous; DIN 52612

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.4 - 7.1 @Frequency 1000 Hz	3.4 - 7.1 @Frequency 1000 Hz	DIN 53483
Dielectric Strength	14.0 - 26.0 kV/mm	356 - 660 kV/in	DIN 53481

Descriptive Properties	Value	Comments
Color	Several Colors	

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**