

## Isoflon PVC Polyvinyl Chloride

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Uncompounded

### Material Notes:

Good mechanical propertiesThermoformableGood impact resistanceInformation provided by Isoflon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Isoflon-PVC-Polyvinyl-Chloride.php](http://www.lookpolymers.com/polymer_Isoflon-PVC-Polyvinyl-Chloride.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	DIN 53479
Water Absorption	0.20 %	0.20 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	ASTM D785
Elongation at Break	45 - 54 %	45 - 54 %	DIN 53455
Tensile Modulus	2.50 GPa	363 ksi	DIN 53457

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 - 80.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	38.9 - 44.4 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	DIN 52328
Thermal Conductivity	0.120 W/m-K	0.833 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	DIN 52612
Melting Point	160 $\text{Å}^\circ\text{C}$	320 $\text{Å}^\circ\text{F}$	DIN 53736
Maximum Service Temperature, Air	60.0 $\text{Å}^\circ\text{C}$	140 $\text{Å}^\circ\text{F}$	Continuous; DIN 52612
Minimum Service Temperature, Air	0.000 $\text{Å}^\circ\text{C}$	32.0 $\text{Å}^\circ\text{F}$	Continuous; DIN 52612

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	DIN 53482
Dielectric Constant	3.3 @Frequency 1000 Hz	3.3 @Frequency 1000 Hz	DIN 53483
Dielectric Strength	35.0 - 50.0 kV/mm	889 - 1270 kV/in	DIN 53481

Descriptive Properties	Value	Comments
Color	Gray/ivory	
Fire Rating	M1-M2	CSTB

## **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**