

## Perstorp Compounds 171 Urea-Formaldehyde w/ cellulose filler

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Urea Formaldehyde, Molded, Cellulose Filled

### Material Notes:

Information provided by Perstorp Compounds Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Perstorp-Compounds-171-Urea-Formaldehyde-w-cellulose-filler.php](http://www.lookpolymers.com/polymer_Perstorp-Compounds-171-Urea-Formaldehyde-w-cellulose-filler.php)

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	DIN 53 464

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 55.0 MPa	>= 7980 psi	ISO 178
Flexural Strength	>= 100 MPa	>= 14500 psi	ISO 178
Charpy Impact, Notched	>= 0.110 J/cm <sup>2</sup>	>= 0.524 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 130 °C	>= 266 °F	ISO 175
Deflection Temperature at 8.0 MPa	>= 90.0 °C	>= 194 °F	ISO 175
Flammability, UL94	V-0	V-0	
Oxygen Index	>= 30 %	>= 30 %	ASTM D2863
Shrinkage	0.80 - 1.2 %	0.80 - 1.2 %	Post Shrinkage; DIN 53 464

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	DIN 53 483
Surface Resistance	>= 1.00e+11 ohm	>= 1.00e+11 ohm	DIN 53 482
Dielectric Constant	5.0	5.0	DIN 53 483
Dissipation Factor	<= 0.10 @Frequency 1000 Hz	<= 0.10 @Frequency 1000 Hz	tan delta; DIN 53 483
Comparative Tracking Index	>= 600 V	>= 600 V	IEC 112

Descriptive Properties	Value	Comments
Glow Bar 960°C 180 sec	passes	IEC 707

Water Absorption (mg)  
Descriptive Properties

<250  
Value

DIN 53 495/23°C 96h  
Comments

## 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