

## Pyrotek Insural® GP MASTIC Insulating mastic for general-purpose refractory applications

Category : Ceramic , Oxide , Silicon Oxide

### Material Notes:

Insural® GP Mastic is an asbestos-free, durable and insulating refractory fiber composition designed for general-purpose patching and veneering applications that are not exposed to contact with molten metals. Information provided by Pyrotek.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pyrotek-Insural-GP-MASTIC-Insulating-mastic-for-general-purpose-refractory-applications.php](http://www.lookpolymers.com/polymer_Pyrotek-Insural-GP-MASTIC-Insulating-mastic-for-general-purpose-refractory-applications.php)

Physical Properties	Metric	English	Comments
Density	0.820 - 0.880 g/cc	0.0296 - 0.0318 lb/in <sup>3</sup>	fired density (compressed)
	1.45 - 1.55 g/cc	0.0524 - 0.0560 lb/in <sup>3</sup>	wet density (as supplied)
Loss On Ignition	35 - 40 %	35 - 40 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00350 - 0.00400 GPa	0.508 - 0.580 ksi	dried 24 hours @ 120°C
	0.00280 - 0.00350 GPa	0.406 - 0.508 ksi	
	@Treatment Temp. 750 °C, Time 86400 sec	@Treatment Temp. 1380 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.160 W/m-K	1.11 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 200 °C	@Temperature 392 °F	
	0.200 W/m-K	1.39 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 400 °C	@Temperature 752 °F	
	0.240 W/m-K	1.67 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 650 °C	@Temperature 1200 °F	
Maximum Service Temperature, Air	1250 °C	2280 °F	
Shrinkage	<= 1.00 %	<= 1.00 %	
	@Temperature 120 °C, Time 86400 sec	@Temperature 248 °F, Time 24.0 hour	
	<= 2.00 %	<= 2.00 %	fired 24 hours @ 750°C
	@Temperature 750 °C, Time 86400 sec	@Temperature 1380 °F, Time 24.0 hour	

Thermal Properties	<b>&lt;= 2.50 %</b> Metric	<b>&lt;= 2.50 %</b> English	Comments
	@Temperature 1000 °C, Time 86400 sec	@Temperature 1830 °F, Time 24.0 hour	aged 24 hours @ 1000°C

Component Elements Properties	Metric	English	Comments
Al2O3	25 %	25 %	
SiO2	75 %	75 %	

## 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