

# Heat Shield and Insulation Filler Material

## TL-GR-01

### Description

TL-GR-01 is a light color highly inorganic material with excellent heat and flame resistance, and low thermal conductivity. It is recommended for use as a general purpose insulating filler material in 3-layer heat shield construction, muffler and steam pipe insulation, and can withstand short duration maximum temperature up to 600°C (1112°F).

### Technical Specifications

Property	Test Method	Specification
Density/ (g/cm <sup>3</sup> )	ASTM F1315	0.9~1.0
Tensile Strength/Mpa	ASTM F152	≥1.5
Compressibility/%	ASTM F36	≥10
Recovery/%	ASTM F36	≥20
Weight Loss on Ignition, 800°C @1hr /%	ASTM F495	≤20
Thermal Conductivity, @RT, W/m.K	ISO 8302	0.09 Typical Value

### Remarks and Related Documents:

Specification values determined by the test methods required for ASTM F-104, Type 7 materials.  
ASTM F104

Specification Data Sheet

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WARNING: The description and performance data provided herein constitute a material specification for quality control purposes, but do not imply suitability for use in a specific application. Your specific application should not be undertaken without independent study and evaluation for suitability. Failure to select proper sealing products may result in either property damage or personal injury. For specific application recommendations, contact with Teamful Sealing.



### Chengdu Teamful Gasket Technology Co.,Ltd.

ADD: No.123, Shuanghua Road Sec.3, Xihanggang Economic Development Zone, Shuangliu, Chengdu, Sichuan, P.R.China 610207

Tel: 86-028- 85651020

Fax: 86-028- 85651433

Email: sales@teamful.net

### Jiangmen Teamful Sealing Technology Co.,Ltd.

ADD: Zetang Road, Chuanglilai Industrial Zone, Daze Town, Xinhui District, Jiangmen City, Guangdong, P.R.China

TEL: 86-0750-6805518

FAX: 86-0750-6805519

Email: sales@teamfulgd.net

### Global Trade Contact

Tel: 86-028- 85875509

Fax: 86-028- 85651433

Email: export@teamful.net

天府密封科技  
TEAMFUL SEALING

(SINCE)1985

[www.teamful.net](http://www.teamful.net)

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