

## Thermoseal KLINGERSIL® C-4439 Metal Reinforced Gasketing

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

**Material Notes:**

Fiberglass, Aramid & Inorganic Fibers  
Nitrile Binder  
High Temperature & Stress  
Vibration  
Galvanized Low Carbon Steel Insert  
Information provided by Thermoseal Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Thermoseal-KLINGERSIL-C-4439-Metal-Reinforced-Gasketing.php](http://www.lookpolymers.com/polymer_Thermoseal-KLINGERSIL-C-4439-Metal-Reinforced-Gasketing.php)

Physical Properties	Metric	English	Comments
Density	2.10 g/cc	0.0759 lb/in <sup>3</sup>	ASTM F1315
Thickness	1588 microns	62.52 mil	Thickness tested

Electrical Properties	Metric	English	Comments
Dielectric Strength	10.0 kV/mm	254 kV/in	ASTM D149-95a

Descriptive Properties	Value	Comments
Color	Red	(Top/Bottom)
Compressibility	8 percent	ASTM F36J
Creep Relaxation	20 percent	1/32", ASTM F38B
Klinger Hot Compression Test	4 percent	Additional, Thickness Decrease 572°F (300°C)
	8 percent	Initial, Thickness Decrease 73°F (23°C)
Leachable Chloride Content	150 ppm	FSA Method (Typical)
Recovery	>50 percent	ASTM F36J
Thickness Increase	0-5%	ASTM F146 after immersion in ASTM Oil 1, 5h/300°F (149°C)
	0-5%	ASTM Oil IRM903, 5h/300°F (149°C)
	0-5%	ASTM Fuel A, 5h/73°F (23°C)
	5-10%	ASTM Fuel B, 5h/73°F (23°C)
Weight Increase	<9%	ASTM F146 after immersion in Fuel B 5h/73°F (23°C)

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