

CARBOLON™

Carbon Fiber Heat Insulator

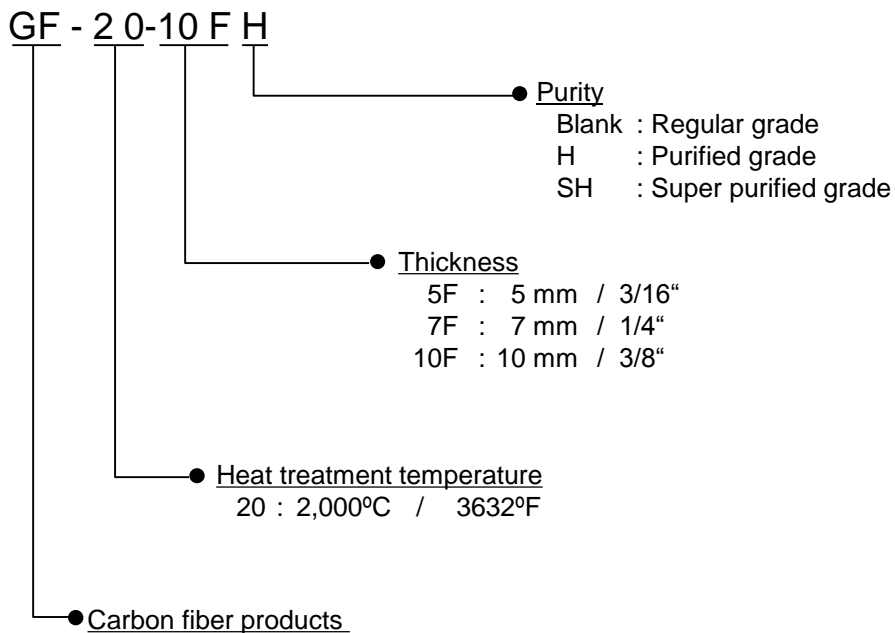
Soft Felt GF-F Series



CARBOLON™ soft felt are manufactured by carbonizing from organic precursors. CARBOLON soft felt has low-bulk density, superior heat resistant qualities. CARBOLON soft felt is easy to handle, it is widely used as a heat insulation material in high temperature furnaces.

Characteristics

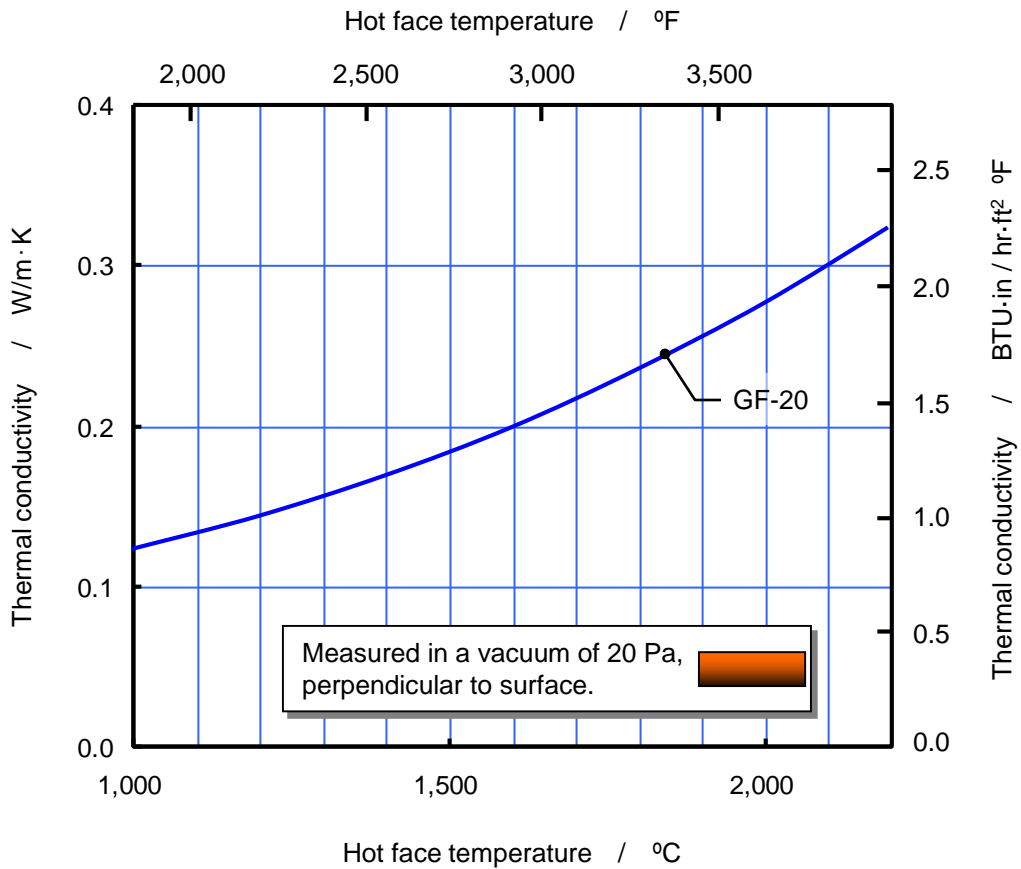
- Low thermal conductivity
- Low specific heat
- Uniform structure
- Ease of Installation



Typical properties

Product I.D.	unit	GF-20
Thermal conductivity	W/m·k	0.13
	at 1,000°C / 1,832°F	BTU·in/hr·ft ² ·°F
Electrical resistivity	ohm·cm	0.15 - 0.20
	ohm·in	0.06 - 0.08
Bulk density	g/cm ³	0.08 - 0.10
	lb/ft ³	5.00 - 6.25
Carbon content	%	> 99
Moisture absorption	%	< 0.1

Thermal conductivity



Dimensions

Item	Thickness		Area weight		Width		Length	
	mm	inch	g/m ²	lb/yd ²	m	inch	m	yd
GF-20- 5F	4.5	3/16	450	0.8	1,000	40	32	35
GF-20- 7F	6.5	1/4	730	1.35	1,200	48	16	17.5
GF-20- 10F	9.5	3/8	950	1.75				

The above properties are based on our current information and should be considered as typical.
Nippon Carbon Co., Ltd. does not guarantee property data or suitability for any specific application.

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