

TECHNICAL DATA SHEET

INMARCO STYLE 240

Description:

STYLE 240 Ceramic Woven Tape is manufactured by weaving ceramic fibers reinforced with either e-glass or stainless steel wire. These tapes have high heat retention capabilities and can be used as thermal protection/energy loss of pipe lines. As wrapping of exhaust. Control thermal properties on expose pipe joints/flanges etc and can withstand maximum temperature of 1260°C.

STYLE 240 is available with special chemical treatment which will not only make the product flame proof/fire retardant but also will increase the temperature resistance up to 1400°C.

STYLE 123 conforms to ISO14000 norms and is environmentally friendly, non-toxic and non health hazardous. Ceramic products conform to physical parameter including dimensions to IS 14656. There are no specific standards for ceramic fibre rope but are generally covered under ASTM C892.

Operational Parameters:

PROPERTIES	UNIT	VALUE
		Style 240-E/240-S
Composition – Al ₂ O ₃	%	42-46
SiO ₂	%	52-55
Fe ₂ O ₃	%	1
TiO ₂		Traces
Max. Working Temperature	°C	1260
Melting Point	°C	1760
Thermal Conductivity (@ average of 1100°C)	W/m-°K	0.18
Effective under pH range	pH	2-12
Leachable Chloride content	ppm	<100
Loss on Ignition (@average of 1200°C)	%	15max.
Linear Shrinkage (@ average 1200°C)	%	3
Average Density	Kg/m ³	600-800
Thickness	mm	2.0 to 6.0
Standard Length	Mtr.	30
Width	mm	2.0 to 200

Advantages:

- ❖ Non toxic, non health hazardous and environmental friendly.
- ❖ Longer life due to no less of strength at optimum working temperature.
- ❖ High thermal insulation properties ensures friendly working atmosphere.
- ❖ Non combustible and electrically non conductive (non metallic).
- ❖ Increase safety of plant personnel and improves productivity.

Typical Applications:

Superior replacement of asbestos static door seals in boilers/ovens/reformers/heat exchangers/radiant tube packing core/heat treatment furnaces/thermocouple tubes/dummy bar seals/insulation of pile lines/exhaust and pipe line expansion joints/high temperature valve glands in air, fuel and gas.

Service Media:

Superior heated and saturated steam, Non oxidizing liquids and gases, Hot blast, Alumina in power and molten form, Dyes and chemicals, Mild acid and Alkalis.

Note:

- ❖ Custom thickness and widths possible, please contact our technical team for your requirements.

Style Index:

Style	Description
S - 240E T	E-Glass reinforced impregnated with Intherm® to enhance abrasion resistance and density.
S - 240E V	E-Glass reinforced impregnated with special synthetic dispersion to enhance density and temperature resistance.
S - 240 ST	Stainless Steel reinforced impregnated with Intherm® to enhance abrasion resistance and density.
S - 240 SV	Stainless Steel reinforced impregnated with special synthetic dispersion to enhance density and temperature resistance.

All information and recommendations given in this technical data sheet are correct to the best of our knowledge. However, in view of the wide variety of application and operating conditions one cannot draw the final conclusion in all application cases regarding the behavior of compounds. The above information can only serve as a guideline.

INMARCO FZC

P.O. Box 120284, Sharjah Airport International Free Zone (SAIF-Zone), Sharjah, UAE

Tel. No.: +971 6 5578378 Fax No.: +971 6 5578948

Email: info@inmarco.ae Web.: www.inmarco.ae