

## TECHNICAL DATA SHEET

### E Glass Ropes **DEKCR series** Description and Advantages

Darco style **DEKCRXX** It is made of high quality texturized fiberglass yarns by knitting process, which will significantly improve the flexibility and elasticity of the rope compared with braiding process. This rope will not burn and will withstand continuous exposure to temperatures of 1000°F / 520°C. This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable and is of medium density allowing 30% compressibility.

#### Application

It can be used as a gasket or seal on boiler, coke oven, industrial oven and wood stove/pellet stove doors. It is also used for crucible packing and pollution control equipment, high temperature tying and lacing cords, as a core rope in tadpole tapes and as a pipe wrap.



#### Specification

- Knitted rope with E-Glass core: Dia. 4mm up to 25mm. Darco Stock white ropes in sizes 6mm, 10mm, 12mm, 15mm and 25mm. Also see DERM19 or DERM20 for 19/20 mm medium density in white and black.
- Alternate versions with or without core and different colours like grey and black can be ordered from factory. Factory even makes small pack with say 2 m length and adhesive in tube for DIY heater door replacement thermal seals.

#### Physical Properties

- Yarn filament: 11um
- High temperature resistance: up to 500°C degree
- Low thermal conductivity:  $\leq 0.035 \text{ kcal/m.h.}^\circ\text{C}$

#### Chemical Properties

ITEM	UNIT	E-GLASS
		DATA
SiO <sub>2</sub>	%	54.1%±0.5
Al <sub>2</sub> O <sub>3</sub>	%	14.6%±0.4
CaO	%	16.6%±0.3
MgO	%	4.6%±0.3
R <sub>2</sub> O	%	<0.8%
Fe <sub>2</sub> O <sub>3</sub>	%	<0.4%
B <sub>2</sub> O <sub>3</sub>	%	8.8%±0.5