

WCR1 Inconel 600 Ceramic Fiber Round Braided Rope

Description

Darco Ceramic fiber round braided rope is dense, resilient, high performance ceramic fiber material fabricated from E-glass or inconel 600 wire inserted ceramic fiber yarn in round section. It is an ideal replacement for asbestos product used for thermal insulation and heat protection. It will not burn, rot, mildew or deteriorate and resist most acids. It has

low coefficient of thermal expansion and is suitable for temperature up to 650°C-1260 °C.

Specification

	Item	Specification	Item	Specification
Ceramic Fiber Chemical Content	Al ₂ O ₃	≥45%	Thermal conductivity (w/m.k)	≤0.161
	Al ₂ O ₃ +SiO ₂ +ZrO ₂	≥96%	Filament Diameter (µm)	2-4
	Na ₂ O+K ₂ O	≤0.7%	Filament Length	20-50
	Fe ₂ O ₃	≤1.2%	Thermal Shrinkage	≤4
	ZrO ₂	---	Working temperature	650°C-1260°C

Application

It is used in applications including asbestos packing replacement, radiant tube packing for heat-treat furnaces, expansion joint packing for furnaces, seals for stoves and ovens, bulb in tadpole gasket and door seal insulation.

Standard size

Diameter (mm)	Roll length (m)	Weight (g/m)	Diameter (mm)	Roll length (m)	Weight (g/m)
5	200	17	19	20	180
6	100	25	20	30	200
8	100	40	25	30	250
10	100	60	30	20	420
12	50	85	32	20	460
14	50	110	35	15	550
15	40	130	40	15	730
16	40	150	50	10	1020
18	30	170			

Note: Diameter and Weight Tolerances are ± 10%
 We can provide rope size to 130mm Dia.