

DONACARBO S (milled)

General technical data

Donacarb S is a general purpose carbon fiber based on coal tar pitch. In the first step it is produced as random material. In further processes the material is carbon-ized or graphitized and then chopped, milled or converted in other ways to the final carbon products. As standard version short carbonized fibers are very popular in different types of in-dustries.

Carbon fibers, carbonized	Series S-200
Fiber diameter (µm)	13
Tensile strength (MPa)	800
Tensile modulus (GPa)	40
Elongation (%)	2.0
Electric resistivity (10-2 Ω•cm)	1
Specific gravity (g/cm ³)	1.6
Moisture content (wt.%)	max. 9
Oxidation stability (°C)	520
pH	6-8
Carbon content (wt.%)	min. 95

Application areas

Antistatic or conductive screeds (top coat and primer) especially for floorings in warehouses, tank farms, computer- and clean rooms etc., brake pads and clutch linings, gaskets and other specialties.

Specific properties

Carbon fibers: milled and carbonized, 13 µm diameter

Product	Fiber length	Bulk density g/cm ³	KG per bag
S 241	130 ± 40 µm	0,80 ± 0,10	20
S 2415	200 ± 60 µm	0,68 ± 0,10	20
S 242	370 ± 80 µm	0,49 ± 0,06	20
S 244	700 ± 140 µm	0,21 ± 0,03	10
S-246	1.2 ± 0.14 mm	0,12 ± 0,05	7
S-247	1.7 ± 0.14 mm	0,10 ± 0,02	7

Technical data established by OSAKA GAS Co., Ltd. R & D Center, Osaka, Japan.

Detailed health and safety information please find in the corresponding material safety data sheet.

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