



DONACARBO S (chopped)

General technical data

Donacarbo 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 industries.

Carbon fibers, carbonized	SeriesS-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) especially for floorings in warehouses, tank farms, computer- and clean rooms etc., frictions 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 231	3,3 ± 0.4 mm	0,020 ± 0,005	10
S 232	6 ± 0.6 mm	0,010 ± 0,004	10

Technical data established by OSAKA GAS Co., Ltd R & D Center, Osaka, Japan. Detailed health and safety information please find in the correspond-ing material safety data sheet.