



# DONACARBO SG (graphitized)

## General technical data

Donacarlo 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. For improved conductivity and purity requirements graphitized products are available.

Carbon fibers, graphitized	Series SG-200
Fiber diameter (µm)	13
Tensile strength (MPa)	750
Tensile modulus (GPa)	40
Elongation (%)	1.9
Electric resistivity (10 <sup>-2</sup> Ω•cm)	0.3
Specific gravity (g/cm <sup>3</sup> )	1.6
Moisture content (wt.%)	0
Oxidation stability (°C)	750
pH	7
Carbon content (wt.%)	min. 99

## Application areas

PTFE-Compounds e.g. for sealings and other specialties in the coating-, plastic- and adhesive industry.

## Specific properties

Carbon fibers: milled and graphitized, 13 µm diameter

Product	Fiber length	Bulk density g/cm <sup>3</sup>	KG per bag
SG 249	110 ± 20 µm	0,84 ± 0,10	10
SG 241	130 ± 40 µm	0,91 ± 0,04	10

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.