

Doctor Blades Plastic

Since many years our customers and partners are very satisfied with the high qualities and strong controlling measurements of Paul Wegner Plastic Doctor Blades.

Generally we distinguish between different types of materials (duroplast Doctor Blades made from glassfiber, carbonfiber & woven and thermoplast Doctor Blades).

Composite with Glassfiber (SFGG)

Qualities

Material No.:
PW 200

Description:
Composite made from
glassfiber with epoxy resin

Range of application:
Depending on
roll cover material

Description:
SFGG Standard

Flexural strength:
380 N/mm²

- Cast iron rolls
- Press section
- Drying section

Colour:
light brown

Heat resistance:
175 °C



Material No.:
PW 205

Description:
Composite made from
glassfiber with epoxy resin

Range of application:
Depending on
roll cover material

Description:
SFGG green

Flexural strength:
380 N/mm²

- Cast iron rolls
- Drying cylinder
- Softkalander
- Size presses

Colour:
green

Heat resistance:
200 °C



Material No.:
PW 208

Description:
Composite made from
glassfiber with epoxy resin

Range of application:
Depending on
roll cover material

Description:
SFGG red

Flexural strength:
580 N/mm²

- Steel and cast iron rolls
- Drying cylinders

Colour:
red

Heat resistance:
185 °C



Material No.:
PW 210

Description:
Composite made from
glassfiber with silicium
carbid and epoxy resin

Range of application:
Depending on
roll cover material

Description:
SFGG – silicium carbid
with grit 120

Flexural strength:
380 N/mm²

- Steel and cast iron rolls
- Dirty drying cylinders

Colour:
anthracite

Heat resistance:
175 °C



Material No.:
PW 215

Description:
Composite made from
glassfiber with silicium
carbid and epoxy resin

Range of application:
Depending on
roll cover material

Description:
SFGG – silicium carbid
with grit 180

Flexural strength:
380 N/mm²

- Dirty drying cylinder
- Steel rolls

Colour:
anthracite

Heat resistance:
175 °C



Doctor Blades Plastic

Composite with Carbonfiber

Qualities

Material No.:
PW 220

Description:
Composite material made from
glass epoxy and carbon fiber
(contend 25% carbon)

Range of application:
Depending on
roll cover material

Description:
Carbon fiber

Flexural strength:
380 N/mm²

- Press section
- Superkalander
- Dryers

Colour:
black

Heat resistance:
185 °C



Material No.:
PW 224

Description:
Composite material made from
glass epoxy and carbon fiber
(contend 50% carbon)

Range of application:
Depending on
roll cover material

Description:
Carbon fiber

Flexural strength:
380 N/mm²

- Press section
- Superkalander
- Dryers

Colour:
black

Heat resistance:
185 °C



Material No.:
PW 226

Description:
Composite material made from
glass epoxy and carbon fiber
(contend 75% carbon)

Range of application:
Depending on
roll cover material

Description:
Carbon fiber

Flexural strength:
380 N/mm²

- Press section
- Superkalander
- Dryers

Colour:
black

Heat resistance:
200 °C



Material No.:
PW 229

Description:
100% Carbon fiber with
epoxy resin

Range of application:
Depending on
roll cover material

Description:
Carbon fiber

Flexural strength:
380 N/mm²

- Press section
- Superkalander
- Dryers

Colour:
black

Heat resistance:
200 °C



Information

Our Doctor Blades with carbonfiber are also available with different grades of silicium carbid (120, 180, 240).

Doctor Blades Plastic

Composite with woven (MGFF)

Qualities

Material No.:
PW 230

Description:
Cotton phenolic

Range of application:
Depending on
roll cover material

Description:
Cotton phenolic

Flexural strength:
150 N/mm²

- Wet part

Colour:
light brown

Heat resistance:
130 °C



Material No.:
PW 240

Description:
Cotton phenolic
with lubricant

Range of application:
Depending on
roll cover material

Description:
Cotton phenolic
with lubricant

Flexural strength:
175 N/mm²

- Wet part

Colour:
anthracite-green

Heat resistance:
140 °C



Plastics without woven

Qualities

Material No.:
PW 250

Description:
PVC

Range of application:
Depending on
roll cover material

Description:
PVC

Heat resistance:
max. 70 °C

- Wet part

Colour:
red



Material No.:
PW 260

Description:
High Density Polyethylene

Range of application:
Depending on
roll cover material

Description:
HDPE

Heat resistance:
60 °C

- Wet part

Colour:
yellow, black, white



Material No.:
PW 270

Description:
Pertinax

Range of application:
Depending on
roll cover material

Description:
OG

Heat resistance:
120 °C

- Wet part
- Cooling cylinder
- Pope reel

Colour:
dark brown



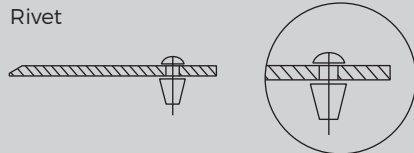
Doctor Blades Plastic

Design

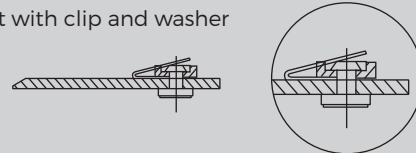
Type of holder:

We deliver finished Doctor Blades for every type of holder and system, e.g.

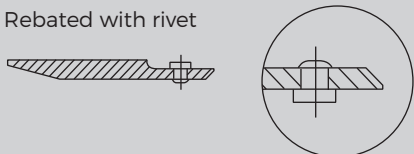
Rivet



Rivet with clip and washer



Rebated with rivet



Groove



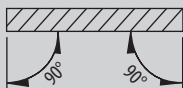
Individual design

- Holes
- Slots
- Notches

Bevel

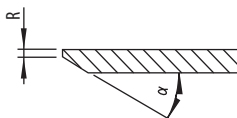
Typ 1

ground squared edges
1 x 90° or 2 x 90°



Typ 2

oneside bevel (standard)
5° - 90°



Typ 3

a) b) on both sides bevelled
c) double bevel

