



BOPP SD stainless steel meshes are always manufactured using DIN 1.4301/AISI 304 and held in stock. Other materials/alloys such as DIN 1.4401/AISI 316 are available on request.

MESH DIMENSIONS

Standard widths:

- 1020 mm / 40"
- 1220 mm / 48"
- 1530 mm / 60"
- Other widths available on request

Roll lengths:

- 30,50 m standard, longer rolls available on request
- 15,25 m für Feinstgewebe, 500 Mesh und feiner
- 50,00 m for glass printing

MESH TYPES AND APPLICATIONS

Typ	Application	Use
BOPP SD	Uncalendered/calendered to customer specification	Precision screen printing for electronics and solar cell technology
BOPP SD PLUS	Uncalendered/calendered to customer specification	Latest generation of screen printing meshes for high tensioning values. This improves the end result and registration accuracy.
BOPP SDS PLUS	Uncalendered/calendered to customer specification	Advanced rigidity and high levels of stability. High w/d ratio and/or very fine wire.
BOPP SD XD	Uncalendered	Screen printing requiring increased colour lay down, altered geometry, fewer contact points, mesh thickness ~ 2,5 x d
BOPP GP	No calendering	Cost effective screen printing meshes, exclusively for printing on glass and ceramics.

MECHANICAL PROPERTIES

In comparison with synthetics, stainless steel meshes exhibit the highest levels of flexural strength and the least percentage of elongation in terms of elastic yield point.

When printing on non-absorbent substrates, off contact distance should be used. The selected off contact distance must allow the screen directly behind the squeegee to detach from the substrate. Only then will the screen detach cleanly and completely from the ink, a prerequisite for a sharp print with even colour lay down.

The required off contact distance is determined by three factors:

- Mesh tension
- Rheology (ink viscosity)
- Squeegee speed

