Boost your
Production

Böttcher Since 1725

BöttcherFlex 746

Elastomer plates for Direct Laser Engraving

Flexible Packaging

Application

Printing press	Flexography
Substrate	Foil, paper and composite material
Ink type	Solvent, water and UV based

Customer values

Productivity:

- Longer service life due to high mechanical resistance

Quality:

- Stable dots and fine lines through active 3D shape design using direct laser engraving
- Very low dot gain due to high chemical resistance to the printing inks

Sustainability:

- Due to lower energy consumption for imaging compared to photopolymer
- Through solvent-free cleaning after engraving the printed image

CHARACTERISTICS

- Suitable for engraving with fiber, CO_2 and diode lasers
- Homogeneous ink transfer

PRODUCTIVITY
QUALITY
SUSTAINABILITY

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TECHNICAL DATA

Nominal gauge	1,14 mm (0.045”)	1,70 mm (0.067”)	2,54 mm (0.100”)
Roll format Current availability on individual request.	928 mm x ~15 m 980 mm x~12 m 1150 mm x ~15 m 1700 mm x ~10 m	1000 mm x ~15 m 1700 mm x ~10 m	1000 mm x ~13 m

Nominal hardness	**70 Shore A** Hardness of the top layer with reference to ISO 6123-1
Material density	**1,12 g/cm²**
Colour	**black**

Chemical resistance	
Alcohol (e.g. ethyl alcohol, isopropanol/IPA)	A
Ester / Ketone (e.g. ethyl acetate, MEK)	A
UV ink	A
Water (50°C/95°C, 120°F/200°F)	A
Aliphatic hydrocarbon (e.g. mineral oil, benzine, fatty acids)	C
Aromatic hydrocarbon (e.g. toluene, benzene, xylene)	C
Ozone	A

A = no attack B = slight attack C = strongly attacked

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