

Boost your Production



BöttcherFlex 746

Elastomer sleeves for Direct Laser Engraving



Label

Application

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

Customer values

Productivity:

- By increasing the production speed with reduced vibrations through a seamless printing form and the use of DLE - ITR elastomer sleeves
- Without risk of cliché lifting
- Due to high chemical and mechanical resistance, which ensures a stable printing process

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 the possibility of grinding down to a smaller print repeat or recovering
- Due to lower energy consumption for imaging compared to photopolymer
- Through solvent-free cleaning after engraving the printed image



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CHARACTERISTICS

- Suitable for engraving with fiber, CO2 and diode lasers
- Homogeneous ink transfer

TECHNICAL DATA

Nominal hardness	70 Shore A Hardness of the top layer with reference to ISO 6123-1
Material density	1,12 g/cm ²
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

strongly attacked

A = no attack B =
slight attack C =