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# **ECO** **rotoSLEEVE**

**ROTOMETAL**  
we are for print

A positive change towards sustainability

rotoSLEEVes ECO are a sustainable, environmentally friendly alternative to the standard rotoSLEEVE GlassFibre print cylinder. Our ECO Composite Cylinders are manufactured using materials that are naturally derived as well as those that come from recycling (rPET). It's a perfect marriage of traditional production methods and environmentally friendly materials.

Facts

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**100% Recycled PET:** We use 100% recycled PET in our products, demonstrating our commitment to sustainability and environmental responsibility.
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**Health-Conscious Materials:** We prioritize the well-being of our customers by replacing styrene with safer alternatives like Epoxy resin, which contains 30% natural oil sources and BPF (bisfenole F molecule) and unsaturated compounds. This reduces health risks associated with “styrene sickness.”
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**Eco-Friendly Resin:** Our ECO resin sleeves use a comparable amount of resin to standard sleeves, but our ingredients are eco-friendly, with 30% sourced from natural plants.
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**Environmentally Responsible Disposal:** Our ECO Cro GF sleeves can be easily disposed of in eco centers, adhering to national regulations and local laws. Their eco-friendly chemical composition ensures no adverse impact on the environment.

Advantages:

- Energy-saving material, option of different hardnesses for the outer layer.
- Highly abrasion-resistant, resistant to elevated temperatures and humidity
- High elasticity, vibration damping capacity, tensile strength, self-extinguishing and electro-insulating properties
- Simple design for easy installation on an air mandrel
- Durable inner core
- Significantly reduced weight means the machine is less stressed, which reduces the operational costs
- Lightweight sleeve cylinder is made for easy handling and problem-free mounting on the printing machine
- Positive environmental impact due to rPET recycled materials used in production
- Use of plant-based materials- one of the latest developments in green chemistry
- High print quality and accuracy



Technical information

Inner diameter	STORK list
Maximum printing repeat	1100 mm
Maximum width	1600 mm
Concentricity tolerance T.I.R	0.01 mm

Key features:

- Bisphenol F epoxy resin reinforced with glass fibers with a Shore D hardness of 80-90
- Polyester styrene resin-free reinforced fiberglass with hardness ShoreD 80-90
- Static or Antistatic
- Antistatic surface with carbon coating for excellent conductivity
- Suitable for solvent or water –based inks

Comparison:

	Rotometal	Competitor
Min/Max Length	300 mm - 1600 mm (2200 mm in December 2023)	350 - 2850 mm
Thickness	1,9 - 70 [mm] // 0.075" - 2.756"	1,9 - 70 [mm] // 0.075" - 2.756"
Shore D	70-80; 80-90 (according to customer's needs and press type)	only 75 Shore D
Working pressure	4 -10 bar	6 - 10 bar
Operating temperature	90 degrees max	40 degrees max
Standard reference guidelines	OUR STANDARD: 1 longitudinal corresponding to the register notch.  OPTIONAL: as many as requested: single double, central, longitudinal, to the sides	1 longitudinal corresponding to the register notch – 1 circumferential in centre
T.I.R.	0.01 mm	< 0.02 mm





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