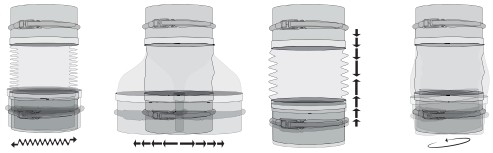
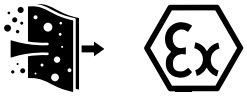
Product specification sheet

- Applicable for Metal, X-ray and color detection, screening & separation equipment, feeding & dosing systems, bulk handling & storage, conveying & transport systems, processing & thermal equipment, flow control components, air handling systems, and flexible protective components.
- PU-MAG08 is a blue Polyester Urethane, with fine metallic powder added to make it metal detectable.
- Great chemical resistance for CIP and cleaning processes
- Abrasion resistance
- Consistent thickness, step-free overlap welding

Tags







Dust tight ATEX compliant

Food contact compliant

Physical properties

Material	Polyester Urethane Magnetic Detectable
Color	Blue
Surface finish	Gloss/Matt
Surface roughness	Ra < 0,2µm / Ra < 0,8µm
Wall thickness	0,80mm / 0.0315 inch
Weight	-
Hardness	75° Shore A
Tensile strength	35 MPa
Tear resistance	-
Surface resistance	9,06 × 10^9 Ω
Volume resistance	-
Pressure resistance	0,3 Bar 4.4 PSI
Maximum elongation	1000%
Operating temperature	-20°C to 80°C -4°F to 176°F
Maximum surge temperature	90°C/194°F
Low temperature flexibility	Good
Air permeability	0
Black-out characteristic	● 100% 0 lux / 35947 lux
Type of material	Sheet on roll Roll width: 1.000mm Roll length: 20.000mm

Compliance

United States	FDA 21 CFR 177.2600
European Community	EC 1935/2004 EC 10/2011

Production methods

Poly Urethane materials will be welded together, using one of the following welding methods.

- High Frequency welding (HF-welding)
- Heat contact welding (HC-welding)
- Hot air welding (HA-welding)

To create parts with the correct measurement, the material can be cut using either a stainless steel knife or water jet

ATEX compliance

The table below shows the maximum possible length when the product is ungrounded and without rings. Please check resitrictions for non-grounded rings.

Airspeed	Minimum Ignition Energy	Maximum length	ATEX zone
< 2 m/s	> 1 mJ	1000 mm	20, 21, 22
> 2 m/s	> 1 mJ	1000 mm	20, 21, 22

Product examples

Below you will find images of products that are made with PU-MAG08, showing just a few of the nearly endless possibilities the material offers. For questions or more information about the possibilities, please contact us!



Compliances

- Abrasion Resistance
- Clean in place (CIP)
- Regulation (EC) No. 1935/2004
- FDA 21 CFR 177.2600
- ATEX compliant
- Non porous hygiene surface
- Grounding/earthing optional
- Sifters and vibratory equipment
- Fans and air distribution
- Metal, X-ray and color detectable

Industries

- Dairy
- Herbs and spices
- Grains, wheat and cereal
- Paint, pigment and laquer
- Pharmaceutical
- Coffee
- Recycling
- Infant formula
- Battery
- Chemicals
- Sugar