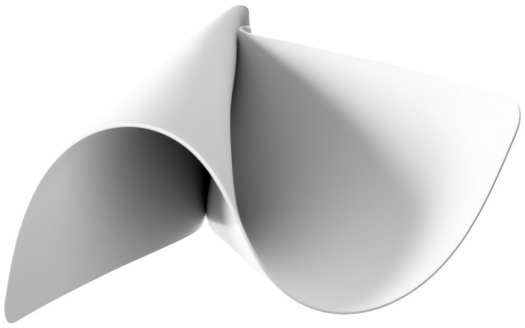
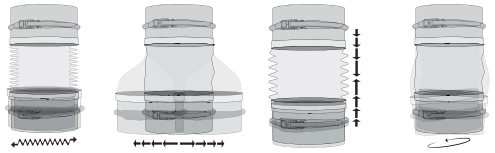
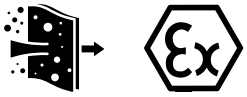
Product specification sheet

- Applicable for 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-W1 is a white, matt-smooth, ether-based thermoplastic Poly Urethane that does not fracture under constant flexing, as it has no memory.
- Great chemical resistance for CIP and cleaning processes
- Great abrasion resistance
- Consistent thickness, step-free overlap welding

Tags







Dust tight ATEX compliant

Food contact compliant

Physical properties

Material	Ether-based thermoplastic Poly Urethane
Color	White
Surface finish	Matt smooth/Matt smooth
Surface roughness	Ra < 0,4 µm
Wall thickness	1,05mm / 0.0413 inch
Weight	1,18 kg/m²
Hardness	88,4 ° Shore A
Tensile strength	42 MPa
Tear resistance	55 N/mm
Surface resistance	-
Volume resistance	-
Pressure resistance	0,34 Bar 5.0 PSI
Maximum elongation	655%
Operating temperature	-65°C to 70°C -85°F to 158°F
Maximum surge temperature	100°C/212°F
Low temperature flexibility	Good
Air permeability	0
Black-out characteristic	99,9% 46 lux / 35947 lux
Type of material	Sheet on roll Roll width: 2.000mm Roll length: 50.000mm

Compliance

United States	FDA 21 CFR 177,1680 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

Product examples

Below you will find images of products that are made with PU-W1, 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
- Regulation (EC) No. 1935/2004
- Fans and air distribution
- FDA 21 CFR 177.1680
- Grounding/earthing optional
- Non porous hygiene surface
- Clean in place (CIP)
- Sifters and vibratory equipment

Industries

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