

Argotec™ ST-1880

General Description

Typical application: Medical, bladders, hospital mattresses, headset ear cushions, vacuum forming & sealing

Polymer: Thermoplastic aromatic polyether polyurethane

Extrusion method:

- M2 Matte: flat die
- G2 Gloss: blown film
- Tubing, cord & profiles

Key attributes:

- Enhanced UV stability
- Resists fungal attack & high humidity
- Available with various embossed surfaces
- Available with varying slip performances
- Available with various clarity levels
- REACH compliant

Property / Capability	Test Method	Typical Value
Gauge	N/A	M2 Matte: 5 - 125 mils (125 - 3125 microns) G2 Gloss: 10 - 40 mils (250 - 1000 microns)
Width	N/A	M2 Matte: Up to 80 inches (2.03 meters) G2 Gloss: Up to 60 inches (1.52 meters)
Length	N/A	Up to 1000 non-spliced yards (914.4 meters)
Durometer	ASTM D-2240	Shore 87A
Specific gravity	ASTM D-792	1.12
Tensile strength @ 100% elongation	ASTM D-638	1000 psi (6.90 MPa)
Tensile strength @ 300% elongation		2000 psi (13.79 MPa)
Tensile strength @ break		7000 psi (48.26 MPa)
Elongation at break		450%
Tear strength, Die C	ASTM D-624	400 pli (70 kN/m)
Melt point range	N/A	329°F - 374°F (165°C - 190°C)

Note: Test specimens are prepared with a 10-mil (0.010") thick flat die sheet sample.