

Argotec™ ST-3655

General Description

- **Typical application:** Medical, bladders, hospital mattresses, headset ear cushions, vaccum forming & sealing
- **Polymer:** Thermoplastic polyurethane, aromatic polyether
- **Extrusion Method:** M2 Matte: Flat die, G2 Gloss: Blown film and 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, NSF-61 potable water approved and USP Class VI status approved

Typical Property	Test Method	Value
Gauge		M2 Matte: 5 - 125 mils (125 - 3125 microns) G2 Gloss: 10 - 40 mils (250 - 1000 microns)
Width		M2 Matte: Up to 80" (2.03 m) G2 Gloss: Up to 60" (1.52 meters)
Length		Up to 1000 non-spliced yards (914.4 m)
Specific gravity	ASTM D-792	1.12
Durometer	ASTM D-2240	Shore 87A
Tensile strength @ 100% elongation	ASTM D-638	100 psi (6.90 MPa)
Tensile strength @ 300% elongation		2100 psi (14.48MPa)
Tensile strength @ break		8000 psi (55.16MPa)
Elongation at break		550%
Tear strength, Die C	D-624	500 pli (87.5 kN/m)
Melt point range		329°F to 374°F (165°C to 190°C)

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