

General Description and Use		
Argotec SKU Number	ST-3655-87	
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	
Gauge	M2 Matte: 5 - 125 mils (125 - 3125 microns) G2 Gloss: 10 - 40 mils (250 - 1000 microns)	
Width	M2 Matte: Up to 80 inches (2.03 meters) G2 GLoss: Up to 60 inches (1.52 meters)	
Length	Up to 1000 non-spliced yards (914.4 meters)	
Key attributes	<ul style="list-style-type: none"> ■ 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 ■ USP Class VI status approved 	
Typical Properties	Test Method	Value
Durometer	ASTM D-2240	Shore 87A
Specific gravity	ASTM D-792	1.12
Tensile strength @ 100% elongation	ASTM D-638	1,000 psi 6.90 MPa
Tensile strength @ 300% elongation		2,100 psi 14.48 Mpa
Tensile strenth @ break		8,000 psi 55.16 MPa
Elongation @ break		550%
Tear strength, Die C	ASTM 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.

Product information revised: July 10, 2014

All statements, product characteristics, and performance data contained herein are believed to be reliable based on observation and testing, but no representations, guarantees, or warranties of any kind are made as to accuracy, suitability for particular applications, or the results to be obtained. Nothing contained herein is to be considered to be permission or a recommendation to use any proprietary process or technology without permission of the owner. No warranty of any kind, expressed or implied, is made or intended.

SWM INTL

53 Silvio O. Conte Drive • Greenfield, Massachusetts 01301 U.S.A.
tel: 413/772-2564 • fax: 413-772-2565 • web: www.swmintl.com • email: ams@swmintl.com