

# i-Cell TG



i-Cell TG Grade is an irradiated blended polymer closed-cell foam with high performance to meet the requirements for mounting and assembly applications. TG is engineered with a superior adhesive anchorage system in various roll forms and can be manufactured in densities ranging from 2 to 12 PCF. Standard colors include White, Black, Grey, and Blue. Custom colors are available.

POP DISPLAYS



WINDOWS



DOORS



MIRRORS



GASKETING



## TG Common Roll Characteristics

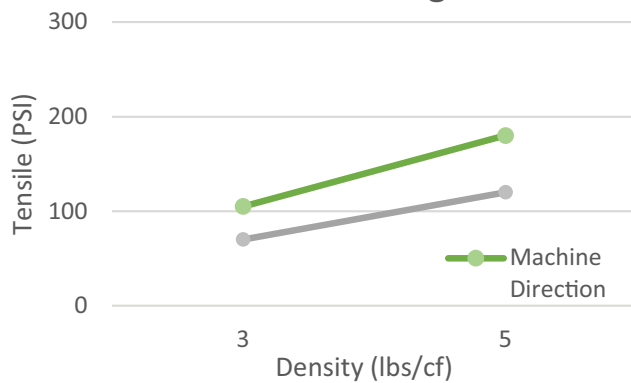
Product	PCF	Gauge	Width	Length
TG5	5.0	.031	54-63	2400-4000
TG3	3.0	.062	54-63	1200-2000
TG3	3.0	.093	54-63	800-1200
TG3	3.0	.125	54-63	600-1000

- Widths 27" to 86"
- ODs up to 54"

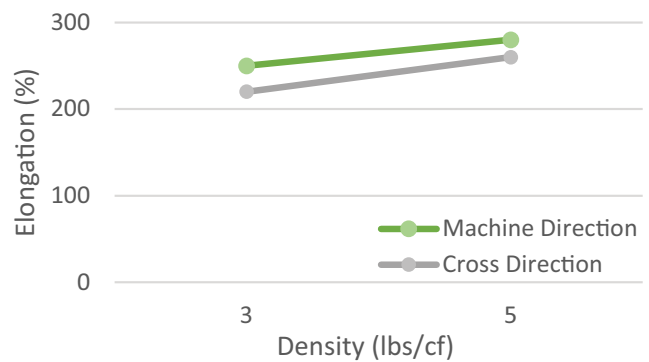
## Tear Resistance



## Tensile Strength



## Elongation



# i-Cell TG Product Features

ASTM Method	Typical Properties	TG3		TG5	
D3575	Density	3.0 lb/ft <sup>3</sup>	48 kg/m <sup>3</sup>	5.0 lb/ft <sup>3</sup>	80 kg/m <sup>3</sup>
D3575	Thickness	0.063 in	1.600 mm	0.031 in	0.787 mm
D412	Tensile MD	105 lb/in <sup>2</sup>	723 kPa	180 lb/in <sup>2</sup>	1241 kPa
D412	Tensile CD	70 lb/in <sup>2</sup>	482 kPa	120 lb/in <sup>2</sup>	827 kPa
D412	Elongation MD	250%		280%	
D412	Elongation CD	220%		260%	
D624	Tear MD	18 lb/in	3.15 kN/m	28 lb/in	4.90 kN/m
D624	Tear CD	20 lb/in	3.50 kN/m	34 lb/in	5.95 kN/m
D3575	Compression Set	20%		10%	
D3575	Compression (25%)	5 PSI	34 kPa	6 PSI	41 kPa
D3575	Compression (50%)	13 PSI	90 kPa	15 PSI	103 kPa
D2240	Shore OO Hardness	45		50	

MD = Machine Direction | CD = Cross Direction



Continuous roll form up to 4,000 linear feet



60" width is standard. Custom widths are available.



Density range: 2 to 12 PCF



Standard colors include White, Black, Grey, and Blue. Custom colors are available.



Excellent thermal stability



Excellent chemical resistance



Low water absorption



Great shock absorption

The information contained in this technical data sheet should be used to aid in the product selection process. The values contained here therefore should not be used as a substitute for a certificate of analysis, or specification sheet. The physical properties are based on averages from a limited number of production runs and will change as more data becomes available. Verttec does not guarantee similar results will be obtained due to differences in customer processing practices and end use.



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