

i-Cell VA



i-Cell VA Grade is an irradiated vinyl acetate copolymer closed-cell foam that exhibits excellent softness and conformability while having superior toughness. VA is engineered for medical skin applications where comfort and performance are required. It is produced 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.

MEDICAL DEVICES



SKIN CONTACT



TAPE



TRANSDERMAL PATCHES



ORTHOPEDIC BRACES

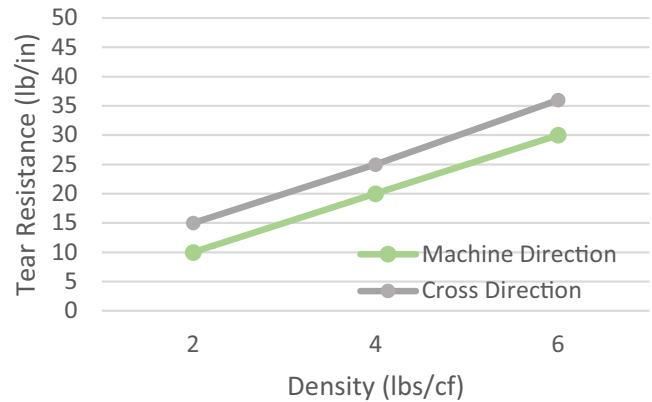


VA Common Roll Characteristics

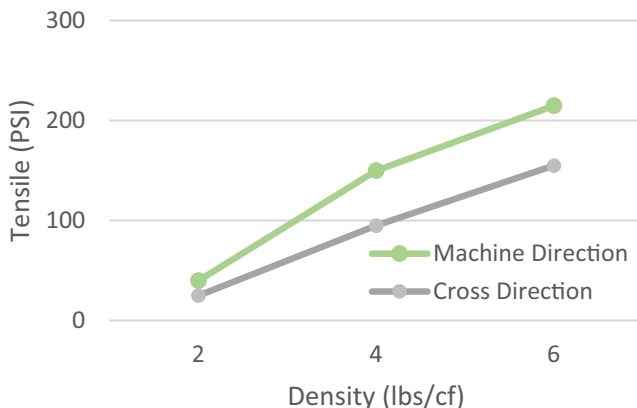
Product	PCF	Gauge	Width	Length
VA6	6.0	.031	54-63	2400-4000
VA4	4.0	.062	54-63	1200-2000
VA2	2.0	.125	54-63	600-1000

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

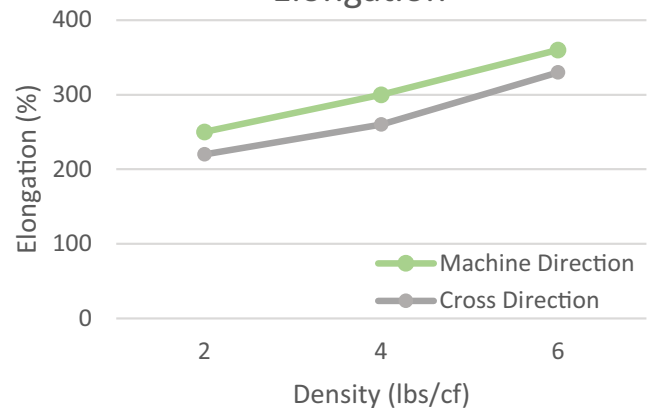
Tear Resistance



Tensile



Elongation



i-Cell VA Product Features

ASTM Method	Typical Properties	VA2		VA4		VA6	
D3575	Density	2.0 lb/ft ³	32 kg/m ³	4.0 lb/ft ³	64 kg/m ³	6.0 lb/ft ³	96 kg/m ³
D3575	Thickness	0.125 in	3.175 mm	0.063 in	1.600 mm	0.031 in	0.787 mm
D412	Tensile MD	40 lb/in ²	276 kPa	150 lb/in ²	1034 kPa	215 lb/in ²	1482 kPa
D412	Tensile CD	25 lb/in ²	172 kPa	95 lb/in ²	655 kPa	155 lb/in ²	1068 kPa
D412	Elongation MD	250%		300%		360%	
D412	Elongation CD	220%		260%		330%	
D624	Tear MD	10 lb/in	1.75 kN/m	20 lb/in	3.50 kN/m	30 lb/in	5.25 kN/m
D624	Tear CD	15 lb/in	2.63 kN/m	25 lb/in	4.38 kN/m	36 lb/in	11.04 kN/m
D3575	Compression Set	32%		10%		6%	
D3575	Compression (25%)	5 PSI	34 kPa	7 PSI	48 kPa	8 PSI	55 kPa
D3575	Compression (50%)	13 PSI	90 kPa	16 PSI	110 kPa	20 PSI	138 kPa
D2240	Shore OO Hardness	40		49		58	

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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