

## ALGEFOAM EVA (A18)

### Features:

- Thermoformable
- Easily fabricated
- Superior in slip resistance
- Non-clogging easy cleaning

### Applications:

- Orthopedic footwear material
- Orthopedic insole blocks

Polymer	POE/PE/EVA			
Cell structure	Close cell			
Property	Test Method	Units	Typical Value	
Hardness (Durometer)	ASTM D2240	Shore A	15 – 22	
	JIS K6253	Asker C	32 – 42	
Density	ASTM D297	g/cm <sup>3</sup>	0.08 – 0.11	
		PCF	5.0 – 7.0	
Tensile Strength	ASTM D412	kg/cm <sup>2</sup>	12	
		PSI	170	
Tear Strength	ASTM D624	kg/cm	5	
Elongation	ASTM D412	%	180	
Linear Shrinkage	70°C x 24hrs, 10mm	%	----	
Compression Set	ASTM D3575-00	%	----	
Compression Deflection 25%	ASTM D3575-00 Temp. 23±1°C	kg/cm <sup>2</sup>	0.6	
		PSI	8.5	
Resilience	ASTM D2632	%	45	
Working temperature		<b>High</b>	<b>Low</b>	
	Short term	90°C(194°F)	-40°C(-40°F)	
	Long term	70°C(158°F)	-30°C(-22°F)	
Safety standard	Conform to the following regulations EU: RoHs 、 REACH 、 PAHs 、 EN71-3 、 AZO dye free US:CPSIA HR4040 、 16CFR1500 、 ASTM F963			
Environmental conformity	CFC free			
*1. Suffix : -None: regular compound -PX 、 -PZ 、 -DPZ: odorless compound -NC:Non-clogging				

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