



# AS Rubber & Plastics Limited

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## Specification Sheet

### **AS633 Expanded Polyethylene Black/White** **Alveolit TA3000**

<u>Properties</u>	<u>ISO Standard</u>	<u>Unit</u>	
Density (Block)	ISO 845	Kg/m <sup>3</sup>	33
Density (Range)	ISO 845	Kg/m <sup>3</sup>	28-38
Tensile Strength	ISO 1798	Kpa	> 250
Tensile Elongation	ISO 1798	%	> 170
Compressive Strength			
Deflection 10%	ISO 844	Kpa	35-55
Deflection 25%	ISO 844	Kpa	55-85
Deflection 50%	ISO 844	Kpa	120-170
Compression Set	ISO 1856	%	
22h Charge, 23°C			
Deflection 25%			
0.5h After Discharge			15
24h After Discharge			4
Thermal Conductivity	ISO 8301	W/mK	
At 20°C			
At 40°C			
Working Temperature Range	Internal	°C	-60/+100
Water Absorption (7 days)	DIN-53428	%	< 1
Water Vapour Transmission	Internal	Gr/m <sup>2</sup> /24 H	
Shore Hardness			