

## Product Datasheet – BCM Butynol Matting

**Part N°: BCM**

### Technical Specifications

Specific Gravity to ASTM D297	1.20 ±0.05	
Hardness IRHD to ASTM D1415	65 ±5	
Tensile Strength to ASTM D412	8.3 MPa min	
Modulus at 300% elongation to ASTM D412	4.15 MPa min	
Elongation at break to ASTM D412	300% min	
Heat Aging	7 days at 115°C	
Tensile Retention to ASTM D412	70% min	
Elongation Retention to ASTM D412	70% min	
Tear Strength to ASTM D624	26 kN/m	
Ozone Resistance to ASTM D1149 (7 days at 40°C in 50pphm ozone)	No visible cracks	
Water absorption to ASTM D471	1.35% (by mass)	0.72% (by volume)
Water Permeability to ASTM E96-92		
Vapour Flow Resistance	12414 MNs/g	
Vapour Flow Rate	0.013 g/m <sup>2</sup> d	
Note: Interesting comparable figures for water permeability are:		
Polythene	156	
Asphalt	1830	
P.V.C.	4900	
K Values on 1mm Butynol Sheeting		
K Value (Thermal Conductivity)	7.4 x 10 <sup>3</sup> Cal/cm/sec/°C	
Surface Resistance on 1.5mm Butynol sheeting	<1 x 10 <sup>5</sup> Ω at <10V	

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