

Data Sheet

EV50 Evazote® Closed Cell Vinyl Acetate Foam Sheets & Rolls

Data Sheet Type	Final
Material Reference	EV50
Polymer	VA (Vinyl Acetate)
Date Issued	18/05/24



Description

Evazote An Inert Polyethylene Foam with EVA to make a durable and aesthetically pleasing Foam suitable for a variety of uses in a wide variety of industries including but not limited : Toys & Games, Sports & Leisure, Cosmetics & Performing Arts. This grade is a 50 Kilogram Density and is available in a wide variety of colours.

Specifications	Values	Test Methods
Cell Diameter	0.35 mm Typical	BS ISO 7214 2012
Compression Set 25% Compression (22 Hours @ 23°C) 1/2 Hour Recovery	10.5 %	BS ISO 7214 2012
Compression Set 25% Compression (22 Hours @ 23°C) 24 Hour Recovery	3 %	BS ISO 7214 2012
Compression Set 50% Compression (22 Hours @ 23°C) 1/2 Hour Recovery	23.5 %	BS ISO 7214 2012
Compression Set 50% Compression (22 Hours @ 23°C) 24 Hour Recovery	13 %	BS ISO 7214 2012
Compression Stress/Strain - 10%	30 Kpa	BS ISO 7214 2012
Compression Stress/Strain - 25%	51 Kpa	BS ISO 7214 2012
Compression Stress/Strain - 40%	82 Kpa	BS ISO 7214 2012
Compression Stress/Strain - 50%	115 Kpa	BS ISO 7214 2012
Density	50 Kg/m3 Nominal	BS ISO 7214 2012
FMVSS302 Pass Thickness	4 mm Minimum	FMVSS302
Highest Recommended Working Temperature	65 °C Maximum	None
Horizontal Burn Rate @ 13mm Thick	0.8 mm/sec	None
Horizontal Burn Rate @ 5mm Thick	1.00 mm/sec	None
Lowest Recommended Working Temperature	-70 °C Minimum	None

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in

this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice . All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.