PRODUCT SPECIFICATIONS EMI.116 Series

1/16” VINYL FOAM TAPE

DESCRIPTION: Closed cell PVC foam 1/16” (.063”) thick completely seals out air, moisture, light, and dust when compressed at least 30 %. Formulated from Polyvinyl Chloride (PVC) for a long service life. Cushions against shock and vibration. Ultraviolet (UV) resistant. Resists most chemicals, acids, and solvents. Available with adhesive on one or both sides and in various other grades.

EMI 116LD – Light density PVC foam. Economical, general purpose foam tapes manufactured for use in applications requiring positive seals on irregular surfaces or when flex and conformability to seal tight radius curves are critical. Low density foam is easy to compress but is still strong and resilient.

EMI 116 – Medium density provides excellent combination of flexibility and conformability with strength and wear resistance. Excellent dimensional stability and cushion against heavy loads. Foam density permits excellent die cutting and fastener penetration. Withstands wear and abrasion.

EMI 116HD – Designed for the most demanding foam sealing or cushioning applications. High internal strength resists pressure from outside forces and high hardness resists deterioration. Strongest standard series foam. Cushions and absorbs shock, resists wear and abrasion. Best dimensional stability.

TECHNICAL DATA	116LD	116	116HD
Density, lbs./cu. Ft.	7	15	25
Hardness, shore 00	14	40	58
Force to Compress 25%, psi	2.5	9	20
Compression Set 30 % (% loss from original height)	4	2	5
Water Absorption, % by volume	1.1	1.0	1.2
Tensile Strength, psi	25	80	130
Percent Elongation	150	160	110
Thermal Conductivity (btu-in./hr.sq.ft.*deg. F)	0.27	0.30	0.33
Recommended Service Temperature, deg. F.	- 40 to 180	- 30 to 200	- 30 to 200
Recommended Application Temperature, deg. F.	50 to 110	50 to 110	50 to 110
Fungi Resistance	Excellent	Excellent	Excellent
Oxidation Resistance	Excellent	Excellent	Excellent
Weather Resistance	Excellent	Excellent	Excellent

IMPORTANT INFORMATION:
All test procedures used are in accordance with ASTM and PSTC methods.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that Engineered Materials believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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