DATA SHEET: SVA 60

SVA is a closed cell, cross-linked expanded Ethylene Vinyl Acetate foam available in various densities, which is suitable for use in packaging, padding, buoyancy, gasketing and footwear components. The SVA product range is free from CFC's and HCFC's.

PROPERTY	UNIT	TEST METHOD	NOMINAL [1]	RANGE
DENSITY:	kg / m^3	ISO 845	57	49 - 65 [2]
TENSILE STRENGTH:				
CD	kPa	ISO 1798	629	>436
MD	kPa	ISO 1798	542	>429
ELONGATION:				
CD	%	ISO 1798	569	>316
MD	%	ISO 1798	552	>315
COMPRESSION DEFLECTION:				
10 %	kPa	ISO 3386 / 1	27	23 - 54
25 %	kPa	ISO 3386 / 1	45	37 - 75
50 %	kPa	ISO 3386 / 1	102	86 - 138
COMPRESSION-SET:				
25 % 22 hr COMP / 30 min REC	%	ISO 1856	9	16
25 % 22 hr COMP / 24 hr REC	%	ISO 1856	2	7
50 % 22 hr COMP / 30 min REC	%	ISO 1856	27	37
50 % 22 hr COMP / 24 hr REC	%	ISO 1856	14	27
MAXIMUM OPERATING TEMPERATURE: [3]	°C	INTERNAL	70	N/A
BURN RATE: [4]	mm / min	INTERNAL	45	<100
SHORE HARDNESS:	OO	INTERNAL	47	43 - 64
THERMAL CONDUCTIVITY:				
10 mm	W / m.K	ASTM C-518	N/A	
20 mm	W / m.K	ASTM C-518	N/A	

1. NOMINAL:
   Indicative average value.
2. DENSITY:
   Based on 90 % net bun yield.
3. MAXIMUM OPERATING TEMPERATURE:
   Defined as the temperature which will typically cause an average linear shrinkage of no more than 2 % after a 1 hour exposure period. The percentage shrinkage of a sample, having the dimensions 100mm by 100mm by 10mm, with respect to its length, width and thicknesses is used to calculate the average linear shrinkage. The degree of shrinkage depends on the material type, density, temperature, exposure time, part dimensions and cell size. Other temperatures may prove to be limiting depending on the particular conditions of each application. The above quoted value will be deemed not applicable, if any deviation from the above mentioned sample dimensions are to occur.
4. BURN RATE:
   A 10mm thick sample is used to determine the horizontal burn rate of the relevant material. The above quoted value will be deemed not applicable, if any deviation from the above mentioned sample dimensions are to occur. Test based on FMVSS302.

PLEASE NOTE:
The above results are obtained based on the referenced test methods and are to be regarded as typical values which are not usually directly comparable with those of any product tested to other test methods, i.e.: DIN. Tests were conducted at ambient temperature and humidity unless otherwise stated.

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PERFORMANCE FOAMS

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