

SPX 33 ROUGH CELL

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

PROPERTY	UNIT	TEST METHOD	NOMINAL ⁽¹⁾	RANGE
DENSITY:	kg / m ³	ISO 845	33	27 - 39 ⁽²⁾
TENSILE STRENGTH:				
CD	kPa	ISO 1798	230	>174
MD	kPa	ISO 1798	225	>170
ELONGATION:				
CD	%	ISO 1798	190	>124
MD	%	ISO 1798	193	>129
COMPRESSION DEFLECTION:				
10 %	kPa	ISO 3386 / 1	34	26 - 42
25 %	kPa	ISO 3386 / 1	55	42 - 68
50 %	kPa	ISO 3386 / 1	111	90 - 131
COMPRESSION-SET:				
25 % 22 hr COMP / 30 min REC	%	ISO 1856	11	<12
25 % 22 hr COMP / 24 hr REC	%	ISO 1856	4	< 5
50 % 22 hr COMP / 30 min REC	%	ISO 1856	27	<30
50 % 22 hr COMP / 24 hr REC	%	ISO 1856	17	<18
MAXIMUM OPERATING TEMPERATURE: ⁽³⁾				
	°C	INTERNAL	90	N/A
BURN RATE: ⁽⁴⁾				
	mm / min	INTERNAL		<100
SHORE HARDNESS:				
	00	INTERNAL	52	44 - 59

- NOMINAL:**
Indicative average value.
- DENSITY:**
Based on 90 % net bun yield.
- MAXIMUM OPERATING TEMPERATURE:**
Defined as the temperature which will typically cause an average linear shrinkage of no more than 5 % after a 24 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.
- 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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