

SPX FRA is a closed cell, cross-linked expanded Polyethylene foam containing a Flame Retardant Additive, which is suitable for applications where flame retardant foam is required. 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	51	43 - 59 ⁽²⁾
TENSILE STRENGTH:				
CD	kPa	ISO 1798	450	>364
MD	kPa	ISO 1798	445	>360
ELONGATION:				
CD	%	ISO 1798	201	>108
MD	%	ISO 1798	186	>102
COMPRESSION DEFLECTION:				
10 %	kPa	ISO 3386 / 1	82	54 - 111
25 %	kPa	ISO 3386 / 1	97	70 - 125
50 %	kPa	ISO 3386 / 1	158	117 - 199
COMPRESSION-SET:				
25 % 22 hr COMP / 30 min REC	%	ISO 1856	8	<12
25 % 22 hr COMP / 24 hr REC	%	ISO 1856	3	< 5
50 % 22 hr COMP / 30 min REC	%	ISO 1856	21	<31
50 % 22 hr COMP / 24 hr REC	%	ISO 1856	10	<22
MAXIMUM OPERATING TEMPERATURE: ⁽³⁾				
	°C	INTERNAL	100	N/A
BURN RATE: ⁽⁴⁾				
	mm / min	INTERNAL	-	SE ⁽⁵⁾
SHORE HARDNESS:				
	00	INTERNAL	66	62 - 69
WATER ABSORPTION:				
	% ^m / _v	INTERNAL	0.3	<1

- 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.
- SELF-EXTINGUISHING:**
The material will not combust for >20 seconds after ignition source has been removed.

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.

Whilst this document has been prepared in good faith, Sondor Industries (Pty) Ltd accept no contractual liability of any kind to any person in respect of its contents or any use made thereof, nor must it be assumed that any such use will not infringe any patent. This document shall form no part of any contract with a customer. The data supplied on this sheet is typical and in no way reflects the final resultant values of the respective products.

sondor
PERFORMANCE FOAMS



CAPE TOWN: Tel: (021) 959 9400, Fax: (021) 959 9434, E-mail: ctn@sondor.co.za **DURBAN:** Tel: (031) 705 4220, Fax: (031) 705 4566, E-mail: dbn@sondor.co.za **JOHANNESBURG:** Tel:(011) 452 4530, Fax: (011) 452 4532, E-mail: jhb@sondor.co.za
PORT ELIZABETH: Tel: (041) 486 2231, Fax: (041) 486 2234, E-mail: pe@sondor.co.za **PRETORIA:** Tel: (012) 803 4471, Fax: (012) 803 4400, E-mail: pta@sondor.co.za **EXPORTS:** Tel: +27-21-959 5900, Fax: +27-21-959 5901, E-mail: exports@sondor.co.za
HEAD OFFICE: Tel: (021) 959 5900, Fax: (021) 959 5901, E-mail: ho@sondor.co.za **EAST LONDON AGENT –** Jonny Grant 043 7433067/68
BLOEMFONTEIN AGENT – Build OFS 051 435 4880 **ZIMBABWE AGENT -** Security Devices/Leisure Lifestyle 00263 4 487064/5

WEB ADDRESS: www.sondor.co.za