

Sondor closed cell expanded Ethylene-Propylene-Diene Monomer foam.

PROPERTY	UNIT	TEST METHOD	NOMINAL ⁽¹⁾	RANGE
DENSITY:	kg / m ³	ISO 845	106	97 - 116 ⁽²⁾
TENSILE STRENGTH:				
CD	kPa	ISO 1798	587	>413
MD	kPa	ISO 1798	567	>396
ELONGATION:				
CD	%	ISO 1798	522	>418
MD	%	ISO 1798	490	>407
COMPRESSION DEFLECTION: 25 %	kPa	ASTM D 1056	42	28 - 58
COMPRESSION-SET: 50 % 22 hr COMP / 24 hr REC	%	ASTM D 1056	16	<11
TEAR STRENGTH:				
CD	N/m	ASTM D 624	3506	>2396
MD	N/m	ASTM D 624	3392	>2616
MAXIMUM OPERATING TEMPERATURE: ⁽³⁾	°C	INTERNAL	60	N/A
SHORE HARDNESS:	00	INTERNAL	48	38 - 57

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 5 % after a 2 hour exposure period. The percentage shrinkage of a sample, having the dimensions 100mm by 100mm by 5mm, 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.

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



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