

Superior is a closed cell, satin finish, cross-linked expanded Ethylene Vinyl Acetate foam available in various shore hardnesses. It is suitable for use in lining various orthotic applications, moulded spinal braces, hinged gaiters, arch supports, metatarsal pads and inner soles. The Superior product range is free from CFC's and HCFC's.

| PROPERTY                       | UNIT | TEST METHOD  | NOMINAL | RANGE              |
|--------------------------------|------|--------------|---------|--------------------|
| <b>TENSILE STRENGTH:</b>       |      |              |         |                    |
| CD                             | kPa  | ISO 1798     | 1587    | >915               |
| MD                             | kPa  | ISO 1798     | 1654    | >996               |
| <b>ELONGATION:</b>             |      |              |         |                    |
| CD                             | %    | ISO 1798     | 310     | >209               |
| MD                             | %    | ISO 1798     | 347     | >268               |
| <b>COMPRESSION DEFLECTION:</b> |      |              |         |                    |
| 10 %                           | kPa  | ISO 3386 / 1 | 74      | TBE <sup>(1)</sup> |
| 25 %                           | kPa  | ISO 3386 / 1 | 140     | TBE <sup>(1)</sup> |
| 50 %                           | kPa  | ISO 3386 / 1 | 246     | TBE <sup>(1)</sup> |
| <b>COMPRESSION-SET:</b>        |      |              |         |                    |
| 25 % 22 hr COMP / 30 min REC   | %    | ISO 1856     | 4       | < 6                |
| 25 % 22 hr COMP / 24 hr REC    | %    | ISO 1856     | 2       | < 4                |
| 50 % 22 hr COMP / 30 min REC   | %    | ISO 1856     | 10      | < 15               |
| 50 % 22 hr COMP / 24 hr REC    | %    | ISO 1856     | 4       | < 6                |
| <b>SHORE HARDNESS:</b>         |      |              |         |                    |
|                                | A°   | INTERNAL     | 25      | 25 - 30            |

1. TBE  
To be established.

**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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