



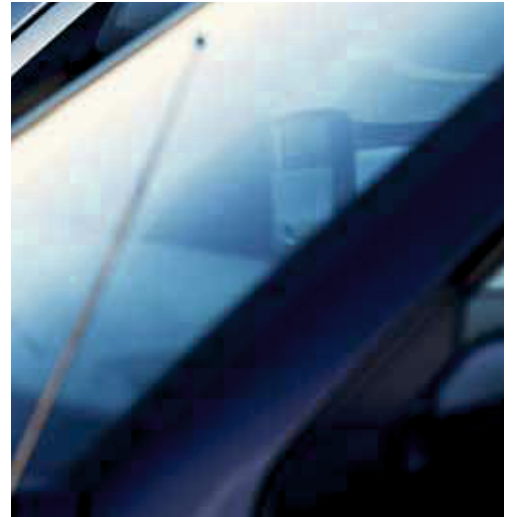
COMPONENT FOAMS

# ArmaComp EnsoLite NSC 75

Soft PVC/NBR crushed (semi closed cell) foam for excellent acoustic absorption properties comes with wide range of thickness variants

- // Soft, semi closed cell PVC/NBR
- // ASTM D1056 compliant
- // FMVSS 302 compliant
- // Suitable for use as automotive seals, gaskets
- // 2-in-1 thermal, acoustic & NVH application

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## PRODCUT RANGE - ARMACOMP ENSOLITE NSC 75

**Brief Description** ArmaComp EnsoLite NSC 75 is a high density soft PVC / NBR based foam complying to ASTM D1056, consisting open cell structure achieved through crushing and slicing operations offers very good acoustic, thermal & mechanical properties making it suitable for the OEM Automotive applications such as seals, gaskets, thermal insulations, acoustic & sound absorbers, MVAC, etc.

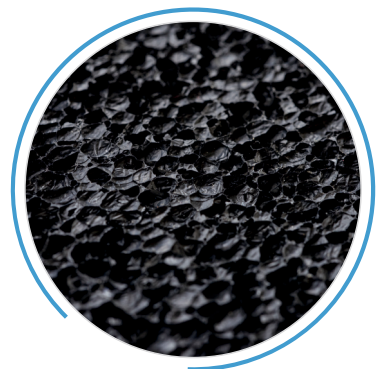
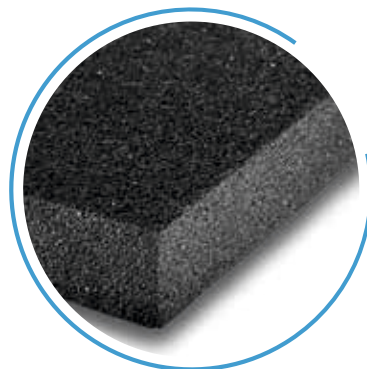
**Material Type** Elastomeric foam based on synthetic rubber (PVC / NBR)

**Colour** Black

**Product Range**

Foam Thk. (mm)	Sheet length (m)	Sheet Width (mm)
3 ± 1	2.03 (-0/+50)	1030 ± 2%
4 ± 1	2.03 (-0/+50)	1030 ± 2%
5 ± 1	2.03 (-0/+50)	1030 ± 2%
6 ± 1	2.03 (-0/+50)	1030 ± 2%
7 ± 1	2.03 (-0/+50)	1030 ± 2%
8 ± 1	2.03 (-0/+50)	1030 ± 2%
9 ± 1	2.03 (-0/+50)	1030 ± 2%
10 ± 1	2.03 (-0/+50)	1030 ± 2%
12 ± 1.5	2.03 (-0/+50)	1030 ± 2%
15 ± 1.5	2.03 (-0/+50)	1030 ± 2%
16 ± 1.5	2.03 (-0/+50)	1030 ± 2%
20 ± 1.5	2.03 (-0/+50)	1030 ± 2%
24 ± 1.5	2.03 (-0/+50)	1030 ± 2%
25 ± 1.5	2.03 (-0/+50)	1030 ± 2%
30 ± 1.5	2.03 (-0/+50)	1030 ± 2%

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area.



## TECHNICAL DETAILS - ARMACOMP ENSOLITE NSC 75

### Technical Features

Properties	Test Method	Ensolute NSC 75
Density	ASTM D1056	75 ± 15 kg/m <sup>3</sup>
Compression Set 50% (Room temp)	ASTM D1056	≤ 40%
Flammability	FMVSS 302	Pass
Water absorption: Maximum Weight Change	ASTM D1056	22 - 30%
Service temperature (Low)	ASTM D746	(-)40°C
Service temperature (High Intermittent)	ASTM D746	93°C
Compression Deflection (25%)(3/8" or 9.5mm & higher)	ASTM D1056	Up to 7 kPa max
Accelerated Aging (7 days at 70°C)	ASTM D1056	No visual change
Flexibility (180 bend without cracking)	ASTM D1056	Pass
Appearance change	ASTM D1056	No change
Change in Compression Deflection	ASTM D1056	±30%
Hardness (Shore-00)	ASTM D2240	10 - 20
Tensile Strength	ASTM D412, Die A	≥ 95%
Elongation	ASTM D412, Die A	≥ 95%
Tear Strength	ASTM D624, Die C	≥ 0.5 kN/m

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All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. Armacell takes every precaution to ensure the accuracy of the data provided in this document and all statements, technical information and recommendations contained within are believed to be correct at the time of publication. By ordering/receiving product you accept the Armacell General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these.

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## ABOUT ARMACELL

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As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With more than 3,300 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.