

PRODUCT DATA SHEET

DESCRIPTION

SOPRAFOAM AGGLO is a porous material composed of various polyurethane foams (polyether and polyester-based).

The product is available in various densities and colours and is produced in sheets of variable thicknesses according to the dimensions and the application needed by the customer. Soprafoam Agglo can be cut in size and can also include an adhesive layers or covered for various surface treatments (adhesives, protective films, lamination with heavy masses etc.).

STORAGE & HANDLING

SOPRAFOAM AGGLO should be stored in a dry, properly shaded and well ventilated storage space.

USER APPLICATION

SOPRAFOAM AGGLO is used in various applications. All the application guidelines are described in SOPREMA's Technical Manuals in force.

ADVANTAGES

- Permanent elasticity
- Constant mechanical properties
- Excellent tensile strength
- Resistant to oils, UV and solvents
- Aging through humidity
- Heat resistance:



HEALTH, SAFETY & ENVIRONMENT

The product does not contain any substance likely to be detrimental to health or to the environment and complies with generally admitted Health & Safety Requirements. For further information please refer to relevant Material Safety Data Sheet (MSDS).

TRACEABILITY

Product traceability is ensured through a manufacturing identification present on the packaging.

QUALITY MANAGEMENT

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality Management Systems in line with ISO 9001:2015.

COMPOSITION & PACKAGING

PROPERTY	SOPRAFOAM AGGLO
Composition	Polyether- and polyester-based recycled polyurethane foam
Thickness	10, 20, 30, 40, 50 and 60 mm (other thicknesses possible)
Dimension	1550 x 1030 mm
Surface	specific films, acrylic adhesives, lamination with heavy masses etc.

TECHNICAL PROPERTIES

PROPERTY	STANDARD	SOPRAFOAM AGGLO 80	SOPRAFOAM AGGLO 120
Density	DIN EN ISO 845	80 kg/m ³ ± 20%	120 kg/m ³ ± 20%
Usage temperature range	-	Between -40 and +80 °C	Between -40 and +80 °C
Heating value	-	28,000 kJ / kg	28,000 kJ / kg
Burning point	ASTM D 1929	± 200 °C	± 200 °C
Water solubility	-	Insoluble	Insoluble
Elongation at rupture	DIN EN ISO 1798	60 %	85 %
Tensile strength	DIN EN ISO 1798	0.39 kg / cm ²	0.39 kg / cm ²
Compressive strength	DIN EN ISO 1856	39 at 10% g / cm ² 72 at 25% g / cm ² 172 at 50% g / cm ²	92 at 10% g / cm ² 158 at 25% g / cm ² 308 at 50% g / cm ²
Residual crush (22h 70 °C)	DIN EN ISO 1856	26% at 50% 34% at 75%	27% at 50% 22.5% at 75%
Dynamic strength	-	0.779 kg / cm ³ (23 mm thickness)	1.223 kg / cm ³ (24 mm thickness)
Tension	-	32.5 at 10% g / cm ³ 48.8 at 20% g / cm ³ 73 at 30% g / cm ³ 104 at 40% g / cm ³ 166 at 50% g / cm ³ 283 at 60% g / cm ³ 632 at 70% g / cm ³	40.7 at 10% g / cm ³ 65.2 at 20% g / cm ³ 94.5 at 30% g / cm ³ 133.4 at 40% g / cm ³ 288 at 50% g / cm ³ 391 at 60% g / cm ³ 880 at 70% g / cm ³
Dynamic stiffness	-	4.05 (40 mm thickness) M N/m ³	4.13 (30 mm thickness) M N/m ³
Heat conductivity	-	0.37 in 17.5 mm thickness 0.038 in 22, 25.6 and 45.5 mm thickness	0.37 in 50 mm thickness

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

