

TECHNICAL DATA SHEET
Silicone 412-BT 130

Material	Silicone foam
Cellular structure	Closed (15% open)
Colour	White
Density ISO 845	200 ± 20 kg/m ³
Water absorption	12 %
Temperature range – constant	-70 °C +200 °C (+250 °C short period)
Ultimate elongation ISO 1798	> 90 % (sp.mm.6)
Tear strength ISO 8067	447 N/m
Compression set 50% at 200 °C (72h)	43 %
UNI 8457 - UNI 9174	Classe 1 A
AFNOR NF 16 101	Classe F 1
Fire resistance UL 94	V-0
EN 45545	R2-HL3 / R3-HL3 / R22-HL2 / R23-HL2
Toxic smoke (BS 6853:1999 anex B.1)	0,37 R-Value - Pass
Oxygen index (BS4589-2:1996)	30,4% Value - Pass
Food suitable	FDA N.177.2600
Thermal conductivity ISO 8894.1	At +25 °C: 0,058 W/m K
ATS 1000 e FAR 25 e ABS 5006	Pass
Shore hardness 00 ISO 2240	45 +/- 5
Resistance electrical Ω CEI 93	2,1 ¹⁷
Resistance electrical Ωcm CEI 93	(su spess. mm.6) 2.7 x 10 ¹⁶
Shelf life	24 months from date of manufacture when stored in original cartons at +15 °C to +40 °C and 30-60 % relative humidity.

Adhesive:

Type	Acrylic adhesive
Adhesive weight	50 g/m ²
Adhesive thickness	0,05 mm
Peel strength	on steel 14,5 N/25 mm on polypropylen 13 N/25 mm
Temperature range	long terms - + 130 °C short terms - + 180 °C

Thickness tolerance:

Material thickness	Tolerance
< 1,5 mm	+/- 0,45 mm
2-5,9 mm	+/-0,40 mm
6-10,9 mm	+/-0,50 mm
11-15,9 mm	+/- 0,60 mm
16-29,9 mm	+/- 0,90 mm
> 30 mm	+/- 5%

The above given information should be considered as a guide but cannot be considered as binding and company accepts no liability. It is the customer responsibility to check if the material is suitable for its application. Please see "Guide to storing and application".

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