Data Sheet compri-lowS 33-4 / EN45545-2

closed cells gasket for rail vehicles according EN45545-2:2013 and UL94 certificate

Product Information

Compri-lowS meets the requirements of the European standard EN45545-2 within the categories HL1, HL2 and HL3 for R22 and R23 easily.
Self-extinguishing quality, halogen- and sulfur-free, low haze and weak toxicity of smoke.

Function / Application Area

This tape is suitable especially for self-extinguishing applications with low emission and marginal toxicity and it is mainly used in the field of the automotive- and rail-vehicles sector.

Technical Data Fire Protection

Specifications	2C3 A2 B3 C2 M P	ASTM D 1056-07
	6C 16/30 B3 C2 G1	NF R 99211-80/Renault 03-10-102/ PSA B67 1016
	≤ 0.20 m² - R23 / 24 / 25 – HL2	EN45545-2
	e ≥ 4 mm HF1, e ≥ 4 mm V0	UL94

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General Technical Data

Structure	closed cells	
Colour	fawn	
Density	370 +/- 100 kg/m³	ISO 845-88
Shore-hardness 00	51	ASTM D 2240, Shore 00
Temperature resistance	- 40 °C to + 140 °C	
Water absorption	2.4 %	ASTM D 1056-07
Ultimate elongation	258 %	ISO 1798-97
Tear resistance	4.7 kN / m / 26.8 Lbf /in	ISO 34-1 (B-a)-94 / ASTM D624 DIE C
Ozone resistance	20 % elongation / 40 °C / 200 pphm	ISO 1431-1 (2004)
Hardness		
at 25 %	76 kPa / 11 psi	ASTM D 1056-07
at 50 %	247 kPa / 35.8 psi	NF R 99211-80
Compression set		
22 h / 50 % / 23 °C	28 %	ASTM D 1056-07
22 h / 50 % / 40 °C	66 %	NF R 99-211-80
Dimensional stability		
Change of dimension after 3h at 80 °C	-0.5 %	FORD WSK-M2D419A
Block size 2 skins	40 x 750 x 1500 mm	
Environmental protection	recycable	

* The determination of the test values takes place according to the usual test standards for adhesive tapes. Varied test parameters are specified separately.

This material is available as stripes or rolls. An adhesive can be applied according to the requirement by the costumer. This information only relates to the rubber foam material and not to the adhesive or the adhesive property. All mentioned data are guideline values. A commitment cannot be deducted.

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