

Data Sheet **compri-cr (rail) / EN 45545-2**

Neopren-tape for rail vehicles according EN45545-2 and UL94 certificate



Product Information

Compri-cr (rail) / EN 45545-2 is a further development of our product Compri-neopren-F, which was enriched by a new recipe with new substances and hence a higher resistance against fire- and smoke-emission is provided. This article meets the requirements of the European standard EN 45545-2 within the categories HL1, HL2 and HL3 for R22 und R23 easily.

Function / Application Area

This tape is mainly used in the field of the automotive- and rail-vehicles sector.

Application Area:

Smoke gaskets, roof mounting sealings, cavity filters, oscillation isolators, LCD-display-gaskets, lighting covering gaskets and HLK-gaskets.

Technical Data EN 45545-2*

Fire protection	R22 and R23	UNI CEI EN 45545-2:2015
Reaction to fire CIT _{nlp}	0.67 (R22/HL3)	NF X 70-100-1/-2
Oxygen index L.O.I.	32.6 % (R22/HL3)	ISO 4589-2

General Technical Data

Structure	closed cells	
Colour	black	
Dimensions		
thickness	1.5 to 50 mm	
width	8 to 950 mm	
Temperature range	- 40 °C to + 100 °C	ASTM D 1056 p.53-60
Linear shrinkage after 7 days to 70 °C	< 4 % (max. < 5%)	ASTM D 1204
Density	160 +/- 20 kg/m ³	ASTM D 3575 / ISO 845-88
Water absorption	2 % to 5 %	ASTM D 1056
Tear resistance	6.4 kN/m / 6.4 kg/cm	ASTM D 624
Smoke toxicity	94 (R22/HL3)	EN ISO 5659-2
Ultimate elongation	> 120 %	ASTM D 412
Tensile strength	800 kPa	ASTM D 412
Compression strength		
at 25 % deformation	45 kPa	
at 50% deformation	135 kPa	ASTM 1056/85
UV resistance	very good	
Shore hardness 00	55 +/- 5	ASTM D 2240
Peroxide cure	no sulfur	

*The tests are accomplished for certain thicknesses, please refer to the corresponding certificate.

This material is available as stripes or rolls.

An adhesive can be applied according to the requirement by the customer.

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.