

# Datasheet for O.C.-Form 150 UL / EN45545-2

Soft elastic seal for rail vehicles with EN45545-2 and UL94 certificate



## **Product information**

The O.C.-Form 150 UL sealing tape fulfills the requirements of the European standard EN45545-2 in category HL 3 for R22. It is a permanently elastic, fine-pored impregnated flexible polyetherurethane foam.

#### Function / areas of application

O.C.-Form 150 UL fulfills high fire protection requirements and was specially developed for the rail vehicle, automotive and electrical industries. The gasket is primarily used for heat and sound insulation, vibration damping, as well as for use against dust, moisture and draughts.

### Technical data Fire resistance\*

V-0 (from 5.5 mm, E312998) < 100 mm/min	UL 94 V FMVSS 302 / DIN 752000
M1 (up to 40 mm)	NF P 92-501
F1	NF F 16-101
S4 SR2 ST2 (from 5.5 up to 40 mm)	DIN 5510-2
FED < 1, up to 30 minutes	DIN 5510-2 / ISO 5659-1
Fulfilled	BS 6853 Annex B.1
HL 3	EN 45545-2
B2	DIN 4102
E	DIN EN 13501
	< 100 mm/min M1 (up to 40 mm) F1 S4 SR2 ST2 (from 5.5 up to 40 mm) FED < 1, up to 30 minutes Fulfilled HL 3 B2

\* For information on the tested thicknesses, see the respective fire protection certificate.



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compriband-Dichtungen GmbH | Leopold Spitzer-Str. 24 | A-4600 Wels | T +43 7242 30 20 30 | office@compriband.at | www.compriband.at

All data are laboratory values which may deviate in practice and therefore do not constitute a guarantee of a specific property. The variety of details and possible combinations cannot be dealt with in this context. It is the responsibility of the user to inform himself accordingly. A specific working result cannot be guaranteed due to the unpredictability of the processing conditions. We expressly recommend that you carry out your own tests to ensure the desired result. Previous editions lose their validity. Our General Terms and Conditions apply. We reserve the right to adapt the product to technical progress and new developments (March 2022).



#### **General technical data**

Impregnation	modified polyacrylate - plasticiser-free	
Material colour	black	
Raw density	150 kg/m³ +/- 15 %	ISO 845
Temperature resistance	- 40 °C to + 120 °C	
Elongation at break	> 120 kPa	ISO 1798
Tensile strength	> 90 kPa	ISO 1798
Compression hardness		
at 40 %	4.5 kPa +/- 30%	ISO 3386
Odour	max. note 3	VDA 270 C3
Emission	VOC < 100 ppm / FOG < 250 ppm	VDA 278
Fogging	< 1 mg	DIN 75201-B
Resistance (3 cycles 5h 120° hy- drolysis and 7d 140°C (heat ageing)	resistant to ageing, weathering and hydrolysis	ISO 2440
Compression set		
22 h / 70 °C / 50 % after	≤ 15 %	ISO 1856
0.5 h		
Delivery form	strips, punched parts, sheets with or without adhesive	
Storability	unlimited shelf life, with self-adhesive coating (SK) 12 months (at temperatures from +5°C to +35°C, dry, dust-free, without exposure to direct sunlight or heat sources)	
Environmental protection	free from heavy metals (Pb, Hg, Cd, Cr VI), banned substances on the GADSL and RoHS list and brominated flame retardants (PBB, PVDE, penta- and octabromo derivatives)	



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