

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*

Specifications	V-0 (from 5.5 mm, E312998) < 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 E	UL 94 V FMVSS 302 / DIN 752000 NF P 92-501 NF F 16-101 DIN 5510-2 DIN 5510-2 / ISO 5659-1 BS 6853 Annex B.1 EN 45545-2 DIN 4102 DIN EN 13501
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* For information on the tested thicknesses, see the respective fire protection certificate.

General technical data

Impregnation	modified polyacrylate - plasticiser-free	
Material colour	black	
Raw density	150 kg/m ³ +/- 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° hydrolysis 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)	