

## BIW Isolierstoffe GmbH

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## Certified management system by:

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001



TECHNICAL DATASHEET

## INDUSTRIES AND APPLICATIONS



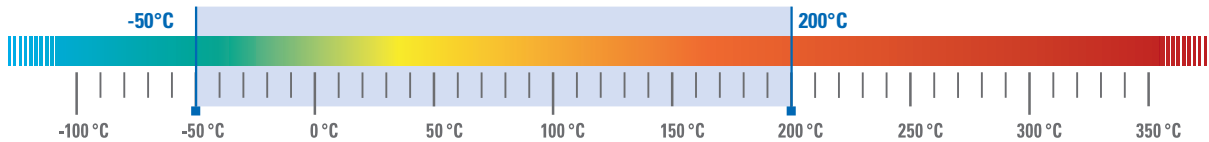
# HighQSil® FR Railway 50

## Key properties

- Silicone rubber with good thermal and mechanical properties, designed for use in railway applications
- Chlorine free peroxide cured
- Resistant to UV and ozone (resistant to radiation and non-aging)
- Resistant to many chemicals, Free of plasticisers
- Very good fire resistance
- No toxic combustion gases



## Application temperature



## Product description

New in our HighQSil® range - HighQSil® FR Railway 50 meets the requirements of DIN EN 45545-2 R22/R23: HL3

## Material properties

Property	Standard	Result
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	50 ± 5
Density [g/cm³]	DIN 53479 ISO/R 1183	1,31
Tensile Strength [MPa]	DIN 53504 ISO/DIS 37	8
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	640
Tear Strength [N/mm]	ASTM D624B	22

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**HighQSil® FR Railway 50****Material properties**

Property	Standard	Result
Colour		White or coloured

**Burning behaviour acc. to EN 45545-2:2020**

Test method	Parameter / Unit	Result	Classification
EN ISO 4589-2 LOI	Oxygen index (%)	39	R22/R23: HL3
EN ISO 5659-2 (25 kW/m <sup>2</sup> )	Ds max.	67	R22/R23: HL3
EN 17084 V1 (25 kW/m <sup>2</sup> )	CIT (G, 8min)	0.02	R22/R23: HL3