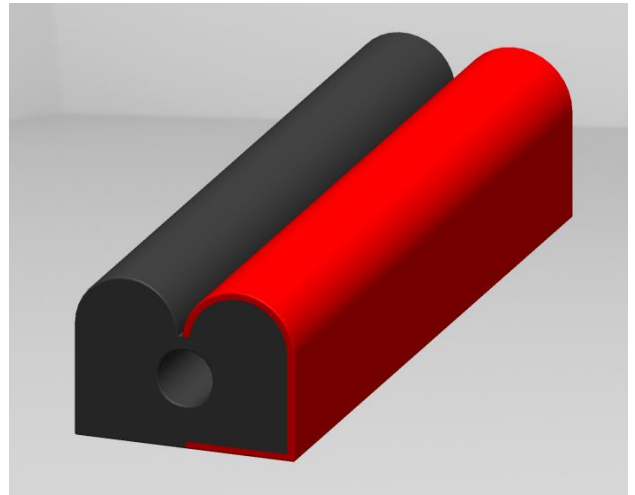


Coextruded elastomere profiles consist of a conductive and a non-conductive component. They are produced in a single extrusion process and offer very good EMC shielding properties as well as high protection against environmental influences.

Coextruded elastomers are produced according to customer requirements. Various shapes are available. Fluorosilicone can also be used for applications with oil or fuels.

- Combi-gasket for EMC and environmental protection
- Highest environmental protection (up to IP68) of the non-conductive area
- Use of fluorsilicone if material should be resistant against aggressive substances
- Cost-effective solution compared to two separate gaskets
- Customer-specific manufacturing
- Halogen-free (not for fluorsilicone)



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE		TEST METHOD	
Basic rubber material	Silicone	Fluorosilicone	-	
Conductive filler material	Nickel plated graphite NIC	Nickel plated graphite NIC	-	
Hardness	70 Shore A ± 5	75 Shore A ± 10	ASTM D2240	
Volume resistivity	<0,1 Ω*cm	<0,1 Ω*cm	MIL-DTL 83528	
Elongation (min)	Min.100 %/Max. 300 %	Min. 60 %/Max. 100 %	ASTM D412	
Tear strength	6,2 N/mm	5,3 N/mm	ASTM D624	
Specific gravity	2,0 g/cm ³ ± 0,1 %	2,2 g/cm ³ ± 0,1 %	ASTM D792	
Compression set	25,0 % (70h @100°C)	<25,0 % (70h @100°C)	ASTM D395	
Tensile strength (min)	>1,5 MPa	>1,03 MPa	ASTM D412	
Operating temperature	-45 – 150 °C	-45 – 150 °C	-	
Colour	Dark grey	Dark grey	-	
Flammability rating	HB	V-0	UL94	
Halogen-free	Yes	Yes		
Shielding effectiveness 200KHz-10GHz (dB)	200KHz (H-field)	95	80	GJB 6190-2008
	100MHz (E-field)	115	100	
	500MHz (E-field)	110	100	
	2GHz (Plane Wave)	100	100	
	10GHz (Plane Wave)	100	100	

Modifications and errors excepted. The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verifications and testings to determine the suitability for their own particular purpose of any information or products referred to herein.