

Gaskets Materials

Flexseal® EPDM FS 30245

Description: Flexseal® EPDM FS 30245 is a sealing material made of ethylpropylene diene rubber (EPDM) that meets the standard of the European standard for railway applications - fire protection in rail vehicles EN45545 (R22 and R23).

Applications: Flexseal® EPDM FS 30245 is used for mechanical and plant engineering, automotive supply industry and rail vehicles.

Colour: black

Forms of delivery: Flexseal® EPDM FS 30245 is available as a blank or die-cut part. The available size is: Thickness: 1-15mm, Wide: ≤1200mm, Length: ≤20m. Other forms of delivery on customer request. The minimum order quantity (MOQ) is 60m² per thickness.

Storage conditions: Flexseal® EPDM FS 30245 should be stored at room temperature in dry rooms.

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Properties	Test-method	Unit	Value
Tensile Strength	ISO 37	MPa	≥7
Hardness	ISO 868	A	70±5
Elongation	ISO 37	%	≥400
Density	ISO 2781	g/cm ³	1,5
Tear Resistance	ISO34	-	20
Working Temperature	ISO 188 / ISO 812	°C	-30 to ~+100
Ozone Resistance 96h x 40°C x 200pphm Moisture: 40%, Stretching 20%	ISO1431-1	-	No crack
Oxygen Index	ISO 4589-2	%	34,5
DS Max	ISO 5659-2	-	17,4
Toxic	EN 17084 Method 1	-	0,136
Hot Aging Resistance 85°C x 168h	ISO 188	-	Hardness: +10A Elongation: ±20% Tensile: ±10%
Ozone & Weathering resistance	-	-	Excellent
Oxidation resistance	-	-	Excellent
Water resistance	-	-	Excellent
Petroleum resistance	-	-	Poor
Lubricating Oils resistance	-	-	Poor
Acid & Alkali resistance	-	-	Good

Trademark information: Flexseal ® is a registered trademark of Dr Dietrich Müller GmbH, Germany.

Please note:

The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during application, it does not exempt the processor and user from carrying out their own tests and trials. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from our information. Depending on the individual case, we recommend consulting us. The recipient of our products is responsible for observing any industrial property rights and existing laws.