

EPDM Antistatic Black FDA 65° Shore A (EPDMas)

Filcoflex B.V.'s EPDMas is an EPDM antistatic black FDA 65° Shore A is a rubber material sheet from rolls. EPDMas is used for a number of purposes, to cut custom gaskets and to make flexible sleeves among other things.

EPDMas is an electrostatic dissipative EPDM rubber.

The rubber is black because carbon is added to the EPDM raw material before extruding it in to sheet material.

The addition of carbon makes the EPDM rubber dissipative for static electricity, this prevent the electrostatic charging of the sleeve or gasket made from this sheet material.

The sheet is a roll material, the roll are 1200mm wide and have 10 meter length.

EPDM has a good solvent, acid and alkali resistance, and a good general chemical resistance.

EPDM has a higher temperature resistance than most plastics (e.g. Poly Urethane) or natural rubbers.



General Properties

Name:	EPDMas black antistatic FDA	
Description :	Ethylene Propylene Diene Monomer rubber with added Carbon for electric conductivity	
Hardness :	65 ° Shore A (+/- 5°Shore tolerance)	
Tear Resistance :	14,4 N/mm ²	
Color :	Black	
Specific Weight :	1,11 – 1,13 g/cm ³	
Maximum Elongation :	240%	
Post Curing of sheet material :	Peroxide cured	
Electrostatic Resistance :		
Volume Resistivity:	<2,5 x 10 ⁷ Ohm*cm	DIN IEC 60093
Surface Resistivity:	<3.3 x 10 ⁶ Ohm*cm	DIN IN 100 015/1
Operating Temperature :	-30 °C to 130 °C -22 °F to 266 °F	
Air Permeability :	0	
Type of Material :	Sheet on roll, 1200mm (+/- 20mm) x 10000mm	

Pressure Resistance for Flexible Connectors

0,34 Bar / 5.0 PSI For temperatures up to 90 °C / 195°F

Please see "Operating Pressure Guide" for further information.

we recommend using the shortest possible connector for applications where increased pressure and/or high temperature is expected. Please contact us for more information.

Weighing Applications

High volume weight and capacity weighing and dosing applications please see "weighing and dosing guide" for further information.

Chemical Resistance

- Good temperature resistance
- Good ozone resistance
- Very good acid resistance
- Very good alkali resistance
- Good CIP resistance
- Good weather resistance
- Poor oil resistance
- Poor petrol resistance

ATEX & Explosion Safety

Explosion Pressure : no tests have been performed, this can be done upon request
Electric Resistance : EPDM antistatic black FDA in 2mm and 3mm are antistatic sheet materials with a surface resistance lower than 10^9 Ohm

Test Conditions :

Temperature : 21 °C
Electrical insulation meter : NIEAF SMITT IRT-C
Measurement Voltage : 100 Volt
Tested Material : EPDM Antistatic Black FDA
Thickness : 2mm and 3mm



Food Contact Compliancy

Filcoflex B.V. hereby declares that below mentioned list (1) of EPDM rubbers comply with the following regulations (2) for repetitive contact with food and foodstuffs.

EPDM rubbers (1):

- EPDM Antistatic Black FDA 2mm
- EPDM Antistatic Black FDA 3mm

List of regulations to which the product complies (2)

FDA 21 CFR of the United States of America:

- 170 - 199 CFR §
- 177.2600 (e)
- 177.3297

European Union :

- n.a.

Other regulations :

- KTW D1-D2 hot and cold water
- DBL 5556.21
- VW 2.8.1G65
- 2005/68/EG
- 3A hygiene standards, Class III
for repetitive contact with foodstuffs for Rubber and rubber-like materials.

Filcoflex B.V.

The Netherlands
Luxemburgstraat 3
5171 PK
Kaatsheuvel

Website : www.filcoflex.com
E-mail : info@filcoflex.com
Telephone : +31 (0) 416 764 764
Fax : +31 (0) 416 764 763

Free of substances

None of the following chemicals is intentionally added to EPDM antistatic black FDA (EPDMas), and are there for suspected to not be present in the material.

- PAK
- Phthalates
- Nitrosamine
- Silicone
- Sulfur
- BSE / TSE

Production Methods used

Joining / Bonding:

All seams are overlapped seams, the ends are made thinner before they are overlapped. The overlap seam has a thickness within that has a +1mm -0.5mm tolerance compared to the original material thickness.

*seams are grinded before they are glued for a better adhesion

Cutting :

- Stainless Steel knives
- Water Jet

