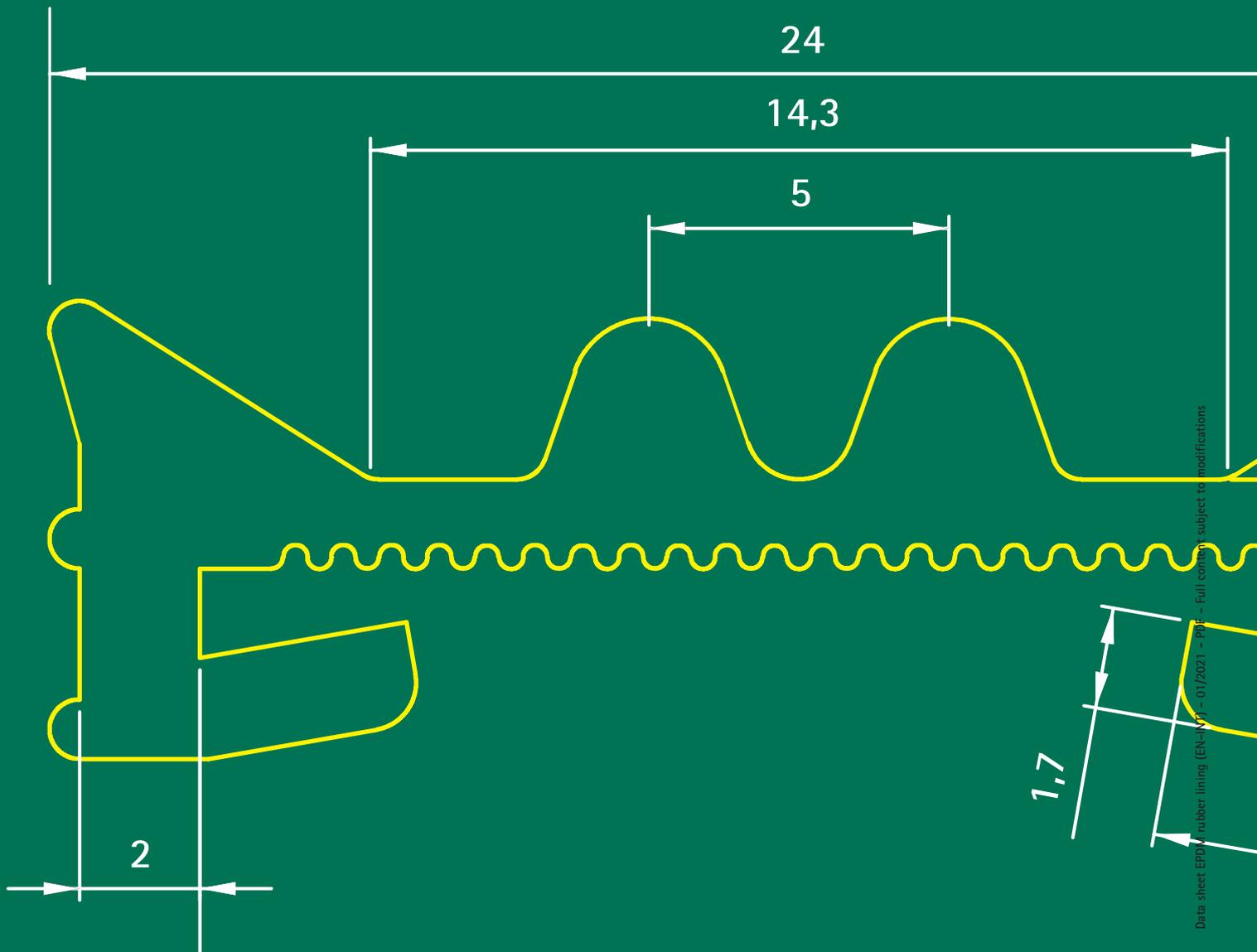


Data sheet



EPDM rubber lining

Black EPDM Rubber 55 ± 5 Shore A

- Technical characteristics
- Material properties

EPDM rubber lining

Black EPDM Rubber 55 ± 5 Shore A

Characteristic	Black Rubber	Relevant Standard
	EPDM 55 ± 5 Shore A	
Hardness	55 ± 5°C	-
Tensile strength	≥ 4.5 Mpa	ISO 7619-1
Elongation at break	≥ 200 %	ISO 37
Compression Set		ISO 37
72 hours 25%, 23°C	≤ 20 %	ISO 815-1
24 hours 25%, 100°C	≤ 55 %	-
Ageing 168 hours, 100°C		ISO 188
change in hardness	≤ 12 ° Shore A	-
change in tensile strength	≤ 25 %	-
change in elongation at break	≤ 60 %	-
Liquid resistance		ISO 1817
72 hours in destiled water	≤ 10 %	at 70°C
4 hours ASTM oil nr	≤ 10 %	at 23°C
24 hours ammonia solution 3%	≤ 1 %	at 40°C
24 hours 50-50 Sulfuric acid solution	≤ 1 %	at 40°C
Non burning	B2	DIN 4102-1
Minumum operating temperature	-30° C	-
Maximum operating temperature	120° C	-

Properties	EPDM
Electrical insulation	GOOD
Flameproof	POOR
Gas permeability	MEDIUM
Temperature Resistance	150 / -40
Compression Deformation	VERY GOOD
Aging in the sun	MEDIUM
Wear resistance	VERY GOOD
Oxidation Resistance	GOOD
Ozone Resistance	MEDIUM
Water	VERY GOOD
Chemical Resistance	Steam, detergents, sodium hydroxide solutions, silicone oils, greases and more. Not compatible with mineral oil products: lubricants, oils, fuels.
Aliphatic Hydrocarbons	POOR
Aromatic Hydrocarbons	POOR
Chlorinated Solvent	POOR
Oxygenated Solvent	GOOD
Natural Gas	MEDIUM
Fuel Oil	POOR
Dilute Acids	GOOD
Concentrated Acids	MEDIUM