

EPDM sheet in black colour, both side smooth, standard dimension 1.2 mtr X 10 mtr.

EPDM rubber sheets are produced from the formulation containing polymer Ethylene-Propylene Diene - Ter polymer. EPDM based rubber sheet offers excellent versatility in the area of both indoors and out door application particularly in adverse environmental conditions like Ultra Violet rays, Ozone and heat etc. It exhibits excellent ageing properties over wide range of temperature and among all general purpose polymers it offer highest working life ranging from 5-20 years depending upon the formulation. It is most suitable sheet for insulation purposes besides finding application in the area of corrosive chemicals like acids, base mild type of solvents. Due to being a saturated polymer it also finds lots of application in food industry.

Zenith has various quality of EPDM sheeting; user can choose a type based on his end application requirement from the technical data sheet. The key area of application for EPDM sheet is:

- Insulation sheet in construction industry
- Tank lining
- Gaskets for Automotive and Industrial application
- Sealing and jointing



TECHNICAL DATA SHEET

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Properties	Test Method	Unit	LCEP 70145	ECEP 70135	GPEP 65130	SEP 65120	PEP 65115
Density	ASTM D 297	g/cm ³	1.45 ± 0.05	1.35 ± 0.05	1.30 ± 0.05	1.20 ± 0.05	1.15 ± 0.05
Hardness	ASTM D 2240	Shore A	70 ± 5	70 ± 0.05	65 ± 5	65 ± 5	65 ± 5
Tensile Strength	ASTM D 412	Kg/Cm ²	30	40	50	90	110
Elongation	ASTM D 412	%	200	250	350	350	400
Abrasion	ASTM D 5963	MM ³	550	475	350	300	270
Compression set	ASTM D 395 B	%	45	40	35	30	20
Tear strength	ASTM D 624	Kg/Cm	15	18	25	30	35
After heat aged @ 70°C x 70 Hrs	ASTM D 573						
Hardness		%	+8	+8	+6	+5	+4
Tensile Strength		%	-30	-25	-15	-10	-6
Elongation		%	-40	-35	-25	-20	-15
Volume swell @ 70°C x 72 Hrs	ASTM D 471						
ASTM OIL #1		%					
ASTM OIL #2		%	NR	NR	NR	NR	NR
ASTM OIL #3		%					
Chem. Resist	ASTM D 1149						
Ozone			MILD	GOOD	V.GOOD	Excellent	Excellent
Dil. Acid and Base			FAIR	MILD	GOOD	V.GOOD	Excellent
Cont. Acid & Base			FAIR	FAIR	GOOD	GOOD	GOOD
Oil			NR	NR	NR	NR	NR
Ketone / Alcohol			POOR	FAIR	GOOD	V.GOOD	V.GOOD
Temperature		°C	-25 To + 70	-25 To + 80	-25 To + 100	-25 To + 120	-25 To + 120
Colour		Visual	Black	Black	Black	Black	Black
POLYMER CONT.		%	20	30	100% EPDM	100% EPDM	100% EPDM

* NR = Not Recommended

* Test properties are based on Lab conditions, small variation possible between Lab to Lab.



EPDM based Water proofing membranes as per std ASTM D 6134 & ASTM D 4637

(0.8, 1.0, 1.2, 1.5 & 2.0 mm thickenss with
both side Fabric as well as smooth finish)

4A TECHNICAL DATA SHEET

Properties	Test Method	Unit	ZENIFLEXX- 100 P
Density	ASTM D 297	g/cm ³	1.15 ± 0.05
Hardness	ASTM D 2240	Shore A	65 ± 5
Tensile Strength	ASTM D 412	Kg/Cm ²	90
Elongation	ASTM D 412	%	350
Abrasion	ASTM D 5963	MM ³	250
Compression set	ASTM D 395 B	%	24
Tear strength	ASTM D 624	Kg/Cm	30
After heat aged @ 116°C x 168 Hrs	ASTM D 573		
Hardness		%	+6
Tensile Strength		%	-10
Tear Strength		%	-25
Elongation		%	-30
Linear Dimension Change	ASTM D 1204	%	±1
Volume swell @ 70°C x 72 Hrs	ASTM D 471		
ASTM OIL #1		%	NR
ASTM OIL #2		%	
ASTM OIL #3		%	
Volume Swell @ 70°C x 7 Days	ASTM D 471		
Distilled Water		%	+ 4/- 2
Chem. Resist	ASTM D 1149		
Ozone			Excellent
Dil. Acid and Base			Excellent
Cont. Acid & Base			GOOD
Oil			NR
Ketone / Alcohol			V.GOOD
Temperature		°C	-25 To + 120
Colour		Visual	Black
POLYMER CONT.		%	100% EPDM

* NR = Not Recommended

* Test properties are based on Lab conditions, small variation possible between Lab to Lab.

ZENIFLEXX - 100 P is extremely durable Water proofing Membrane produce by us in RAK based on EPDM which is the most proven elastomer in the field of water proofing. The Membrane produced from EPDM is having excellent water / weather resistance etc. ZENIFLEXX - 100 P membrane are highly recommended for water proofing of basement, roofs, swimming pools, soak pit for animal feet, protection from subsoil water seepage in tanks, canals etc. ZENIFLEXX - 100 P membrane retains it flexibility to serve life expectancy of over 20 years.

ZENIFLEXX - 100 P is produced in accordance to ASTM D 4637 & ASTM D 6134. The sheet confirms the minimum requirement for non reinforcement black EPDM rubber sheet for use in water proofing, ZENIFLEXX - 100 P is available in 0.8, 1.0, 1.2, 1.5 mm thickness & width of 1.0 to 1.5 mtr. The length varies from 10 mtr. to 30 mtrs. The sheets are wound on paper tube, the outer surface of the rolls is suitably covered with HDPE packing material. This single layer black membrane is light weight and has exceptional long lasting elasticity permitting the materials to with stand for long term applications.