

Water Proofing Sheets (EPDM)

TECHNICAL SPECIFICATION - EPDM MEMBRANE BASED ON ASTM - D4637

EPDM MEMBRANE BASED ON ASTM - D4637		
PROPERTIES	TEST METHOD	SPECIFICATION
Tolerance on Nominal Thickness,%	ASTM D 412	15/-10
Color	Visual	Black
HARDNESS	ASTM D2240	65±10 Sh A
TENSILE STRENGTH (min)	ASTM D412	90KGS. CM2
ELONGATION AT BREAK (min)	ASTM D412	350%
TEAR RESISTANCE kg/cm	ASTM D624 method C	30
Drop in physical properties - Ageing		
After 100°C for 600 Hrs		
Tensile Strength min.	ASTM D - 412	10%
Elongation (%)	ASTM D - 412	30%
Tear resistance (kg/cm)	ASTM - 412	15%
Linear dimensional change max. %	ASTM D - 1204	+/- 2%
Ozone Resistance: On exposure to 100 ppm and Ozone in air 96 hrs.@ 40 C at 20 % strain	ASTM D 1149	No crack
Glass transition Temperature :	ASTM D - 746	-55
Resistance Water absorption, after 7 days immersion in 70 C, % change in mass	ASTM D 471	4
Compression set, 22 Hrs. at 70 C	ASTM D 395	24%
Specification No: ZRWP100/1	Rev. No.: 00	Rev. Date: 00

TECHNICAL SPECIFICATION - EPDM MEMBRANE BASED ON ASTM 6134

EPDM MEMBRANE BASED ON ASTM 6134		
PROPERTIES	TEST METHOD	SPECIFICATION
Tolerance on Nominal Thickness,%	ASTM D 412	15/-10
Color	Visual	Black
HARDNESS	ASTM D2240	65 ± 10 A
TENSILE STRENGTH (min)	ASTM D412	90KGS.CM2
ELONGATION AT BREAK (min)	ASTM D412	300%
ABRASION RESISTANCE (max)	ASTM D5963	250 mm ³
COMPRESSION SET (70 °C/24 hrs) (max)	ASTM D395 Method B	24%
TEAR RESISTANCE (Angular) min	ASTM D624 method C	30
Resistance to Heat Aging		
Properties after 166 hrs @ 115 °C	ASTM D - 573	
Tensile Strength min.	ASTM D - 412	85kgs. /Cm2
Elongation (%)	ASTM D - 412	210
Linear dimensional change max. %	ASTM D - 1204	+/-1
Brittleness temperature °C	ASTM D 746	-45
Resistance water absorption, after 166Hrs. Immersion @ 70 °C		
% change in mass	ASTM D 471	4
Water Vapor Permeability Max. per-mills	ASTM E 96	3.5
Specification No: RSWP100/2	Rev. No: 00	Rev. Date: 00

ZENA-SEAL TEST REPORT

ZENA-SEAL TEST REPORT			
PROPERTIES	TEST METHOD	SPECIFICATION	OBSERVATION
Color	Visual	Black	Black
HARDNESS	ASTM D2240	65 ± 10 A	64,65,67
TENSILE STRENGTH (min)	ASTM D412	90KGS. CM2	100,105,98
ELONGATION AT BREAK (min)	ASTM D412	300%	400,450,400
ABRASION RESISTANCE (max)	ASTM D5963	250 mm ³	200
COMPRESSION SET (70 ° C / 24 hrs) (max)	ASTM D395 METHOD B	24%	20
TEAR RESISTANCE (Angular) min	ASTM D624 method C	30	34,35,31
Resistance to Heat Aging			
Properties after 166 hrs @ 115 °C	ASTM D - 573		
Tensile strength min.	ASTM D - 412	85kgs. /Cm2	90,96,95
Elongation (%)	ASTM D - 412	210	350,350,375
Linear dimensional change max. %	ASTM D - 1204	+/-1	0.44
Brittleness temperature °C			
	ASTM D 746	-45	-
Resistance water absorption, after 166Hrs. Immersion @ 70 °C			
% change in mass	ASTM D 471	4	3.45
Water Vapor Permeability Max. per-mils	ASTM E 96	3.5	-
Test report No: - ZSWP100/1	Rev. No: 00		Rev. Date: 00