

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

Neoprene sheets are produced from Chloroprene polymer; this is by far the best polymer available that offers unique balance of great mechanical as well as weather resistance properties. Depending on the CR content one can derive moderate to very high physical properties like Tensile, Tear, Compression set and heat ageing properties. It displays excellent resistance to Ozone and adverse weather conditions besides offering good resistance to acid and alkalis.

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



- Rubber laminated bearing
- Pipe support system
- Fire / flame retardants
- Sealing / jointing
- Various types of gaskets
- Support system in construction industry for long term extreme weather conditions

TECHNICAL DATA SHEET

2

Properties	Test Method	Unit	LCNE 70150	ECNE 70145	GPNE 70135	MNE 65135
Density	ASTM D 297	g/cm ³	1.50 ± 0.05	1.45 ± 0.05	1.35 ± 0.05	1.35 ± 0.05
Hardness	ASTM D 2240	Shore A	70 ± 5	70 ± 5	70 ± 5	65 ± 5
Tensile Strength	ASTM D 412	Kg/Cm ²	35	45	70	90
Elongation	ASTM D 412	%	200	250	300	350
Abrasion	ASTM D 5963	MM ³	550	500	400	350
Compression set	ASTM D 395 B	%	40	40	35	30
Tear strength	ASTM D 624	Kg/Cm	15	18	25	25
After heat aged @ 70°C x 70 Hrs	ASTM D 573					
Hardness		%	+8	+8	+6	+6
Tensile Strength		%	-30	-25	-20	-15
Elongation		%	-40	-35	-30	-25
Volume swell @ 70°C x 72 Hrs	ASTM D 471					
ASTM OIL #1		%	NR	NR	+35	+30
ASTM OIL #2		%			+60	+55
ASTM OIL #3		%			+75	+70
Chem. Resist	ASTM D 1149					
Ozone			FAIR	MILD	MODERATE	GOOD
Dil. Acid and Base			FAIR	MILD	MILD	MODERATE
Cont. Acid & Base			NR	NR	FAIR	MILD
Oil			NR	NR	FAIR	MILD
Ketone / Alcohol			FAIR	MILD	MODERATE	MODERATE
Temperature		°C	-25 To + 70	-25 To + 70	-25 To + 80	-25 To + 80
Colour		Visual	Black	Black	Black	Black
POLYMER CONT. (NE)		%	10	20	30	30

* NR = Not Recommended

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



Technical quality Neoprene sheet for construction industries

2A

TECHNICAL DATA SHEET

Properties	Test Method	Unit	SNE 65135	PNE 65130	EBNE 65135
Density	ASTM D 297	g/cm ³	1.35 ± 0.05	1.30 ± 0.05	1.35 ± 0.05
Hardness	ASTM D 2240	Shore A	65 ± 5	65 ± 5	65 ± 5
Tensile Strength	ASTM D 412	Kg/Cm ²	100	150	170
Elongation	ASTM D 412	%	350	350	400
Abrasion	ASTM D 5963	MM ³	300	200	180
Compression set	ASTM D 395 B	%	25	20	15
Tear strength	ASTM D 624	Kg/Cm	30	35	40
After heat aged @ 70°C x 70 Hrs	ASTM D 573				
Hardness		%	+5	+5	+3
Tensile Strength		%	-15	+5	+7
Elongation		%	-25	-10	-5
Volume swell @ 70°C x 72 Hrs	ASTM D 471				
ASTM OIL #1		%	+25	+20	+5
ASTM OIL #2		%	+50	+45	+15
ASTM OIL #3		%	+60	+55	+35
Chem. Resist	ASTM D 1149				
Ozone			V. GOOD	V. GOOD	Excellent
Dil. Acid and Base			MODERATE	GOOD	V. GOOD
Cont. Acid & Base			MILD	MILD	GOOD
Oil			MILD	GOOD	V. GOOD
Ketone / Alcohol			GOOD	GOOD	GOOD
Temperature		°C	-25 To + 100	-25 To + 110	-25 To + 120
Colour		Visual	Black	Black	Black
POLYMER CONT. (NE)		%	> 35	> 70	100

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