



PRODUCT DESCRIPTION

LT RUBBER STRIP is used for supporting vertical loads as well as absorbing bearing rotations and horizontal displacements. It is commonly utilized for buildings , bridges and other civil engineering constructions because they are easy to install , durable and maintenance free.

LT RUBBER STRIP listed in this brochure are manufactured from natural rubber or neoprene nominal hardness 50 , 60 and 70 IRHD, with physical properties shown below , in accordance with BS 5400 : Section 9.2 : 1983 when tested to BS 903 or ISO test method.

MATERIAL SPECIFICATION

Elastomer Properties	Specification
Tensile Strength	15.5 Mpa
Elongation at Break , min	400%
Hardness , IRHD	56 - 65
Ageing Resistance (7 days / 70 C in air)	
Change in Tensile Strength	+/-15%
Change in Elongation at Break	+/-20%
Change in Hardness , IRHD points	10
Compression Set (22 hrs / 70 C)	30% Max

CALCULATION SPECIFICATION

Principal Dimensions Width (mm)	Thickness (mm)	Maximun Load Capacity (kN/m)	Maximun Shear Deflexion (mm)	Calculated Shear Stiffness (kN/mm)	Calculated Compression Stiffness (kN/mm/m)	Rotational Capacity (Rad/100Kn/m)
100	6	250	4.0	15.0	1278	0.00111
100	10	200	7.0	9.0	283	0.01111
100	12	180	8.0	7.5	164	0.01211
100	15	150	10.5	6.0	84	0.03749
100	25	80	17.5	3.6	18	0.02548
150	6	500	4.0	22.5	3791	0.00119
150	10	450	7.0	13.5	861	0.00219
150	12	400	8.0	11.3	503	0.00319
150	15	300	10.5	9.0	259	0.00741
150	20	200	14.0	6.8	110	0.01755
150	25	150	17.5	5.4	56	0.03429
200	6	900	4.0	30.0	7876	0.00059
200	10	800	7.0	18.0	1840	0.00069
200	12	700	8.0	15.0	1080	0.00079
200	15	500	10.5	12.0	560	0.00234
200	20	400	14.0	9.0	238	0.00555
200	25	300	17.5	7.2	123	0.01085
200	50	200	35.0	3.6	15	0.00585
250	10	900	7.0	22.5	3247	0.00069
250	12	800	8.0	18.8	1917	0.00079
250	15	600	10.5	15.0	998	0.00234
250	20	500	14.0	11.3	427	0.00555
250	25	400	17.5	9.0	220	0.01085
250	50	300	35.0	2.8	28	0.00585
300	6	1500	4.0	45.0	20434	0.00001
300	10	1300	7.0	27.0	5078	0.00014
300	15	1100	10.5	18.0	1579	0.00046
300	20	800	14.0	13.5	678	0.00110
300	25	700	14.0	13.5	678	0.00214
300	50	600	35.0	5.4	44	0.00314
400	10	1500	7.0	36.0	9930	0.00001
400	12	1300	8.0	30.0	5973	0.00001
400	15	1200	10.5	24.0	3160	0.00006
400	20	900	14.0	18.0	1369	0.00015
400	25	800	14.0	14.4	710	0.00020
400	50	700	35.0	7.2	90	0.00003
500	10	2200	7.0	45.0	16171	0.00002
500	15	2000	10.5	30.0	5264	0.00006
500	20	1900	14.0	22.5	2300	0.00014
500	25	1600	17.5	22.5	2300	0.00028
500	50	1300	35.0	9.0	153	0.00038

* Other size will be custom made according design