PT Basis Pancakarya

JL. Raya Sumber Jaya No. 61, Tambun 17510, Bekasi, Jawa Barat, Indonesia
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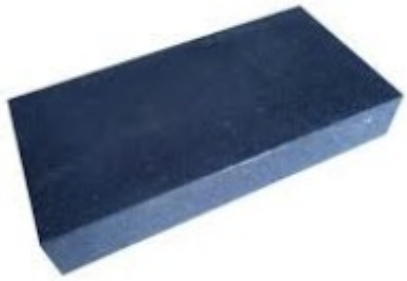
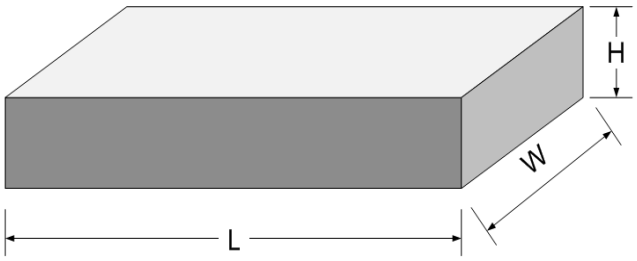
TECHNICAL DATA SPECIFICATION





Product Name : Plain Elastomeric Bearing Pads/ Strips

BASISRUBBER's plain elastomeric bearing pads / strips are individually pressure moulded / manufactured from pure, high quality, natural rubber (NR) or neoprene (CR) . Designed and sized to meet the needs of your structure, these bearings/ strips are rigid enough to transmit the necessary loads and flexible enough to accommodate the rotation and movement required by the structure. They can also be used for sealing, bumper , vibration and earthquakemotion control applications.

Product Description

Rubber Type	: Natural Rubber (NR) / Chloroprene Rubber (CR)
Color	: Black
Surface	: Smooth on both side
Reinforcement	: Not Available (Plain)
Max Supply Length	: 20 m
Aplications	: Bearing Pads, Vibration Damper, Seal, Bumper.

	NR	CR
Fresh and Salt Water Resistance	G	G
Chemicals Resistance	F	G
Oils & Fuels Resistance	X	F
Abrasion Resistance	E	G
Weather Resistance	G	E
Electrical Resistance	X	X
Food Use Suitability	X	X
Anti Vibration / Bumper purpose	E	G

E = Excellent ; G = Good ; F= Fair ; X = not recommended

Rubber Physical Properties

	Test Method	CR60	NR 60	Unit
Hardness	ASTM D2240	60	60	Shore A
Density	ASTM D297	1,32	1,11	gr/cm3
Tensile Strength	ASTM D412	17	19	mpa
Elongation at Break	ASTM D412	400	500	%
Shear Modulus	ASTM D412	0,89	0,90	mpa
Tear Resistance , Die C	ASTM D624	42	45	N/mm
Abrasion	DIN 53516	400	300	mm3
Temperature Resistance	ASTM D5499	-20 ... 110	-40 ... 90	°C

After Aging Properties Natural Rubber (NR60)

in hot air (168h at 70°C)	Test Method	SNI 3967	Test result	Unit
Compression Set (25% ,70°C, 22h)	ASTM D395	Max. 25	+24	%
Change in Hardness	ASTM D573	Max. 10	+6	Point
Change in Tensile Strength	ASTM D573	Max. -25	-15	%
Change in Elongation at Break	ASTM D573	Max. -25	-22	%
Ozone Resistance ; 25 pphm, 48h, 38°C, 20% Strain	ASTM D 518	No Crack	No Crack	

After Aging Properties Chloroprene Rubber (CR60)

in hot air (100h at 100°C)	Test Method	SNI 3967	Test result	Unit
Compression Set (25% ,100°C, 22h)	ASTM D395	Max. 35	+34	%
Change in Hardness	ASTM D573	Max. 15	+8	Point
Change in Tensile Strength	ASTM D573	Max. -15	-10	%
Change in Elongation at Break	ASTM D573	Max. -40	-32	%
Ozone Resistance ; 100 pphm, 100h, 38°C, 20% Strain	ASTM D 518	No Crack	No Crack	

Storage :

- Store vertically in their original packaging.
- Avoid heat, direct sunlight and contact with oxidation catalysts

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Rubber Pads / Strips Parameters :

Dimensions H X W (mm)	Maximum Working Load / m (KN/m)	Compressive Stiffness / m (KN/mm)	Shear Stiffness / m (KN/mm)	Maximum Shear Capacity (+/- mm)	Maximum Rotation Capacity (rad)	Weight / m NR60 (Kg)	Weight / m CR60 (Kg)	Product ID ** = NR50/60/70 CR50/60/70
05 X 50	250	550	9,0	2,5	0,029	0,28	0,33	PEB05X50-**
05 X 75	375	1.160	13,5	2,5	0,013	0,41	0,50	PEB05X75-**
05 X 100	500	2.000	18,0	2,5	0,008	0,55	0,66	PEB05X100-**
05 X 125	625	3.060	22,5	2,5	0,005	0,69	0,83	PEB05X125-**
05 X 150	750	4.350	27,0	2,5	0,004	0,83	0,99	PEB05X150-**
05 X 200	1.000	7.600	36,0	2,5	0,003	1,10	1,32	PEB05X200-**
10 X 50	125	140	4,5	5,0	0,057	0,55	0,66	PEB10X50-**
10 X 75	281	310	6,8	5,0	0,038	0,83	0,99	PEB-10X75-**
10 X 100	500	550	9,0	5,0	0,029	1,10	1,32	PEB10X100-**
10 X 125	625	830	11,3	5,0	0,018	1,38	1,65	PEB10X125-**
10 X 150	750	1.160	13,5	5,0	0,013	1,65	1,98	PEB10X150-**
10 X 200	1.000	2.000	18,0	5,0	0,008	2,20	2,64	PEB10X200-**
15 X 75	188	140	4,5	7,5	0,057	1,24	1,49	PEB15X75-**
15 X 100	331	245	6,0	7,5	0,043	1,65	1,98	PEB15X100-**
15 X 125	519	380	7,5	7,5	0,034	2,07	2,48	PEB15X125-**
15 X 150	750	550	9,0	7,5	0,029	2,48	2,97	EB15X150-**
15 X 200	1.000	930	12,0	7,5	0,017	3,31	3,97	PEB15X200-**
20 X 75	138	80	3,4	10,0	0,075	1,65	1,98	PEB20X75-**
20 X 100	250	140	4,5	10,0	0,057	2,20	2,64	PEB20X100-**
20 X 125	394	215	5,6	10,0	0,046	2,76	3,31	PEB20X125-**
20 X 150	563	310	6,8	10,0	0,038	3,31	3,97	PEB20X150-**
20 X 200	1.000	550	9,0	10,0	0,029	4,41	5,29	PEB20X200-**
20 X 250	1.250	830	11,3	10,0	0,018	5,51	6,61	PEB20X250-**
25 X 100	200	90	3,6	12,5	0,072	2,76	3,31	PEB25X100-**
25 X 125	313	140	4,5	12,5	0,057	3,44	4,13	PEB25X125-**
25 X 150	450	200	5,4	12,5	0,047	4,13	4,96	PEB25X150-**
25 X 200	800	350	7,2	12,5	0,035	5,51	6,61	PEB25X200-**
25 X 250	1.250	550	9,0	12,5	0,029	6,89	8,26	PEB25X250-**
25 X 300	1.500	690	10,8	12,5	0,021	8,27	9,92	PEB25X300-**

NOTE :

- Data calculated base on AASHTO LRFD Bridge Design Specifications with NATURAL RUBER (NR) , Hardness 60 SHORE A, Shear Modulus 0,9 Mpa , where the bearing strip mounted between wood float finished concrete surfaces.
- For other specs or sizes please call.
- We reserve the right to changes the specs without prior notice