



Manufacturer of Bridge Components

ELASTOMER PHYSICAL AND MECHANICAL PROPERTIES

Specification for ASSAFLEX PRODUCTS

PRODUCT : Expansion Joints , Bearing Pads Strip Bearing
POLYMER : NATURAL RUBBER

NO	Property	Test Method	Unit	Test Result
1	Hardness	ASTM D2240	Shore A	60 ± 5
2	Tensile Strength	ASTMD412-06a	Mpa	>16
3	Elongation at Break	ASTM D412-06a	%	>350
4	Tear Resistance	ASTM D624	Kgr/cm	>10
5	Abrasion	ASTM D2228	Mm ³	>165
6	G Modulus	ASTM D4014	N/mm ²	0/9±%15
7	Compression Set	ASTM D395-03 Method B 70°C, 70h, 24%	%	<27
8	Bonding Test	ASTM D429B	N/mm	>6
9	Ozone Test	ATM D1149-99 70h, 38°C, 50 ppm, 20% Elongation	Visual Examination	No cracks
Heat Aging Results with the following conditions (70h, 100° c)				
10	Elongation at Break Mean Variation	ASTM D573-04	%	≤20
	Tensile Strength Mean Variation	ASTM D573-04	%	≤20

Specification for Bolts and Nuts

Steel shall conform to: ASTM 240 Type 204 with 2B finish
 Anchor Bolts are manufactured to: EN 20898 – CL 8.8 Zinc Plated