



HANNA RUBBER COMPANY

Specification Sheet

AASHTO Grade Plain Bearing Pads

Hanna Rubber Company offers high quality Neoprene (polychloroprene) and natural rubber (polyisoprene) bearing pad material to meet AASHTO and many other specifications. Plain bearing pads are used for a variety of purposes in the bridge and construction industries. They allow for expansion and contraction of precast and steel components. The amount of movement depends on the thickness of the bearing pad. They are also used to minimize the effects of vibration on the structure and to dissipate noise. We have material to meet the specifications of all 50 states and Canada.

Type: We provide both Natural Rubber and Neoprene.

Sizes: Our Material is available in thickness as thin as 1/8" and as thick as 18".

Shapes: Our standard product is provided in 36" and 48" widths. We can custom mold virtually any size and shape.

Hardness: ASHTO allows for hardness in the range of 50 to 70 durometer.

Specifications Met:

- AASHTO M251-06, grade 3 (Neoprene)
- AASHTO M251-06, grade 5 (Natural Rubber)
- AREMA section 18.
- Caltrans, section 51.
- ASTM D4014.
- CAN/CSA

Standard Material Physical Properties:

	Neoprene			Natural Rubber		
	50	60	70	50	60	70
Hardness, Shore A	45-55	55-65	65-75	45-55	55-65	65-75
Tensile, min. psi	2250	2250	2250	2250	2250	2250
Elongation, % min.	400	350	300	400	350	300
Compression Set % max 22 hours @ 212 degrees F	35	35	35			
Temperature Range	-40°F to +212°F (-40°C to +100°C)			-40°F to +200°F (-40°C to +93.3°C)		

Hanna Rubber accepts no responsibility for results obtained. Each user of these products, or information, should perform their own tests to determine the suitability of the material. Hanna Rubber does not guarantee that the user will obtain the same results. The data and information are subject to change without notice.