



Rubber Expansion Joint

TYPICAL TEST RESULTS

DENSITY: The density of the material was found to be greater than 30 LBS/ft³ (480.54 Kg/M³)

COMPRESSION: The force required to compress a 4" x 4" (10.2 cm x 10.2 cm) sample of the material was found to be within the limits specified in ASTM D 1751-97 and ASTM D 1752-84 (1996).

RECOVERY: After compression to 50% of its thickness, the sample was found to recover 99% to its thickness within 10 minutes.

EXTRUSION: Material was compressed to 50% in a 3-sided fixture and no noticeable extrusion occurred.

WATER ABSORPTION: The water absorption test per ASTM D 1751-97 was conducted. The material was found to absorb 1.6% by volume.

HYDROCHLORIC ACID TEST: Samples were boiled in hydrochloric acid for 1 hour. The material was found to be unaffected by the exposure. The surface of the material was unaffected, no flaking of the material was seen, and the material retained its resiliency.

ULTRAVIOLET LIGHT EXPOSURE: A thin sample of REFLEX[®] (2 mm x 12 mm x 25 mm) was exposed to long wave Ultraviolet light for 2 hours. No degradation in the flexibility of the material or cracking of the material was observed.

HARDNESS: The shore A hardness of the material was found to be 45 to 50.

COLD TEMPERATURE EXPOSURE: A sample of REFLEX[®] was exposed to -40^oF (-40^oC) for 48 hours. The material was observed periodically, at the low temperature the material was found to be hard, but no cracking or other adverse effects were noted.

FLUID EXPOSURE: Samples of REFLEX[®] were exposed to the following fluids:

Saturated Rock Salt Solution

Gasoline

Diesel Fuel

Motor Oil

The mass of each sample and the sample thickness were measured periodically over a 48 hour period. The thickness of each sample was found to be stable with very little or no change over the period of the test indicating no change in volume of the samples. At the conclusion of the testing, the samples were examined and no cracking or other mechanical degradation of the samples was observed.

NON-STAINING: REFLEX[®] absolutely will not bleed or migrate into adjacent finished concrete surfaces like petroleum based products do.



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