

9490000 MISCELLANEOUS COMPONENTS FOR  
MANHOLES, INLETS, AND OTHER STRUCTURES  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

---

Chad Rucks (via Deborah Ishan)  
FDOT, D4  
954-777-7387

Comments: (12-29-14)

949-5 Composite Rubber Adjustment Rings: The table shows various units for items listed under “Physical Properties” (examples: lb/ft<sup>3</sup>, %, psi). However, for “Durometer Hardness, Molded Surfaces” there are no units provided to define the requirement of 75 +/- 10. Suggest adding units similar to what is provided for the other physical properties as shown in the first column.

**Response:**

Durometer hardness is tested on a scale rather than units. The Scale used for testing is Shore A so the “A” designation has been added to the table.

\*\*\*\*\*

Jose Kandarappallil (via Deborah Ishan)  
FDOT, D4  
954-777-7387

Comments: (12-29-14)

949-5 Composite Rubber Adjustment Rings: Recommend modifying the tabulation such that the range of requirements for the various properties be made consistent or specific. For example, recommend clarifying if the hardness requirements is a percent. • 949-5 Composite Rubber Adjustment Rings: Revisions to the table now have the “Requirements” for the “Physical Properties” for both “Compression Deformation % Initial” and “Compression Deformation % Final” to both be “6 +/- 2”. Recommend verifying that the intent is to have both properties with the same values for requirements.

**Response:**

Please see comment above.

To the second part of this comment: Yes, the intent is to have both initial and final compression deformation % to fall within the range of 6+/-2.

\*\*\*\*\*