



**Summary of Substantive Changes
between the 2015 and 2017 editions of
ASTM D4068, Chlorinated Polyethylene (CPE) Sheeting for Concealed
Water-Containment Membrane**

Presented to the IAPMO Standards Review Committee on June 12, 2017

General: The changes to this standard will likely have an impact on currently listed products. The significant changes are:

- Increased the requirement for average Shore-A hardness from 76 to 84 (see Section 5.1)
- Removed the requirement to conduct tensile tests in the transverse direction (see Sections 14.1, 14.2 and 14.9.1.2 and Table 1)
- Revised the production code marking requirement to remove specific location and expected longevity (see Section 16.1.5)
- Removed the requirement to conduct the bonded seam shear strength test in the transverse direction (see Table 3)

Section 5 Physical Requirements: Increased the requirement for average Shore-A hardness from 76 to 84 as follows:

*5.1 The sheeting shall have an average Shore-A hardness of ~~76 ± 6~~ **84 ± 6** points when ten specimens taken equidistantly across the width of the sheet are tested in accordance with Test Method D2240, using a Type A durometer and reading durometer hardness after 5 s of presser foot contact with the specimen.*

14. Test Methods: Removed the requirement to conduct tensile tests in the transverse direction as follows:

14.1 Stress-Strain Properties—Tensile strength, tensile stress at 100 % elongation (modulus), and ultimate elongation shall be determined in accordance with Method A of Test Methods D412 using dumbbell cut specimens (Die C). Report the average of six specimens ~~in transverse direction~~.

14.2 Tear Resistance—Determine average value from ten acceptable specimens ~~in transverse direction~~ tested in accordance with Test Methods D1004.

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14.9.1.2 Test a minimum of six specimens in accordance with Method A of Test Methods D412, measuring tensile strength as shear bond. Report the average of the shear values ~~in transverse direction~~ as a percentage of the average tensile strength.

16. Product Marking: Revised the production code marking requirement to remove specific location and expected longevity as follows:

16.1 Material complying with this specification shall be continuously marked and shall include the following, spaced out at intervals of not more than 2 ft (0.61 m):



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16.1.5 A production code. ~~This code shall be included inside the core of all shipping units, secured so as to be reasonably expected to remain with the sheeting to its end use point.~~

Table 1, Mechanical Properties: Removed the requirement to conduct the tensile strength and tensile stress tests in the transverse direction.

Table 3, Bonded Seam Requirements: Removed the requirement to conduct the bonded seam shear strength test in the transverse direction.