

Materials Specification – 14 for POLYETHYLENE ENCASEMENT MATERIAL

1. GENERAL:

Polyethylene encasement material shall be manufactured in accordance with AWWA C105 with the following additional requirements or exceptions.

2. MATERIALS:

The raw material used to manufacture polyethylene film shall be Type I, Class A, Grade E-1, in accordance with ASTM D4976.

3. PHYSICALS:

The polyethylene film shall meet the following test requirements:

Tensile Strength	1200 psi minimum
Elongation	300% minimum
Dielectric Strength	800 V/mil thickness minimum
Thickness	8 mils minimum nominal with minus tolerance not exceeding 10% of nominal
Flow Rate	0.4 maximum

4. CERTIFICATIONS:

The manufacturer shall furnish a sworn statement that the inspection and all of the specified tests have been completed and that the results comply with the requirements of these Standards. A copy of the Certification shall be sent to Denver Water.

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