

Corrugated Polyethylene Tubing and Acrylonitrile Butadiene Styrene (ABS) Pipe for Underdrains

Acrylonitrile Butadiene Styrene (ABS) Pipe

Supplier	Brand
None Approved	

Corrugated Polyethylene Tubing

Supplier	Brand
Advanced Drainage Systems, Inc. Calhoun - Livermore Plant, KY	A/H (Green Stripe) ADS Arkansas Highway Grade
Advanced Drainage Systems, Inc. Ennis, TX	A/H (Green Stripe) ADS Arkansas Highway Grade
Advanced Drainage Systems, Inc. Harrisonville, MO	A/H (Green Stripe) ADS Arkansas Highway Grade
Advanced Drainage Systems, Inc. Hillard, OH	A/H (Green Stripe) ADS Arkansas Highway Grade
Advanced Drainage Systems, Inc. Jackson, MS	A/H (Green Stripe) ADS Arkansas Highway Grade

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Corrugated Polyethylene Tubing

Supplier	Brand
Advanced Drainage Systems, Inc. Vicksburg, MS	A/H (Green Stripe) ADS Arkansas Highway Grade
Plastic Tubing Industries of Texas, Incorporated Hempstead, TX	PTI 4"
Springfield Plastics, Inc. Auburn, IL	Arkansas DOT

Method of Documentation of Acceptance:

By brand and source.

Method of Approval:

- Corrugated polyethylene tubing shall be the heavy duty type and shall comply with AASHTO M 252. The tubing shall have a minimum pipe stiffness of 46 psi (3.23 kg/cm²) at 5% deflection and shall be capable of 60 percent vertical deflection in parallel plate loading without splitting or cracking when tested in accordance with ASTM D 2412. Corrugated polyethylene tubing shall have AASHTO M 252, Class 2 perforations. Fittings shall be of the same composition and have the same physical properties as the pipe and shall not restrict flow.
- Acrylonitrile butadiene styrene (ABS) pipe shall be extruded from virgin ABS complying with AASHTO M 264. Fittings shall be of the same composition and have the same physical properties as the pipe and shall not restrict flow. Perforations shall be approximately circular and cleanly cut; shall have nominal diameters not less than 3/16" (5 mm) nor more than 3/8" (10 mm); and shall be arranged in at least two rows parallel to the axis of the pipe.
- The manufacturer will provide the Materials Division with a notarized test report from a recognized laboratory listing actual results from testing of production samples of the material. Accompanying this report will be a

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statement by the manufacturer indicating compliance to material specifications.

- **Sample(s) shall be submitted to the Materials Division for further testing and evaluation.**
- **When deemed necessary by the Materials Engineer and at a frequency determined by him, random samples from each manufacturer shall be taken and tested.**
- **Material failure may be considered sufficient reason to discontinue acceptance of material from the manufacturer, determination of which shall be by the Materials Engineer.**

No information contained in these lists is to be used for promotional purposes.

Products shall be identified by listing the manufacturer above. The manufacturer of privately labeled products must be disclosed.