

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE**

**MATERIAL SPECIFICATION
MS-206: “PLASTIC PIPE”**

206.1 SCOPE

This specification governs the quality of plastic pipe and fittings.

206.2 QUALITY

The pipe shall conform to American Society of Testing Material Specification (ASTM) for the manufacture of this pipe.

<u>Material</u>	<u>SDR¹</u> NRCS or ASTM	<u>SCH 40 & 80</u> ASTM	<u>PIP²</u> NRCS
Acrylonitrile-Butadiene- Styrene, ABS	D-2282 430-DD 430EE	D-1527	430-DD 430-EE
Polyethylene, PE	D-2239 D-3035 430-DD 430-EE	D-2104 D-2247	
Polyvinyl Chloride, PVC	D-2241 430-DD 430-EE	D-1785	430-DD

*For pipelines conveying potable water, the material also requires approval of the National Sanitary Foundation, NSF.

¹ SDR, Standard Dimension Ratio

² PIP, Plastic Irrigation Pipe

206.3 FITTINGS

The fittings shall be of a material, size and pressure rating compatible with the pipe materials and withstand a working pressure equal to or greater than the pipe.

206.4 JOINTS

- a. Solvent welding of joints shall be in accordance with the recommendation of the pipe manufacturer.
- b. Rubber gasket joints and the gasket material shall conform to ASTM D-3139.
- c. All joints and connections shall withstand a working pressure equal to or greater than the pipe.