

Evaluation Table

PEP ID:	501 Drainage Pipe Liner: HDPE
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

501 Pipe

501 Drainage Pipe Liner: HDPE

Additional Specification: AASHTO M252 (3-10 inch), AASHTO M294 (12-60 inch),

ASTM D3350 Cell Classification 424420C (4-10 inch) and 435400C (12-60 inch)

Responsible Section: Roadway Group

Product Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Liner	AASHTO M252	For Type S and SP pipe, the liner shall be fused to the outer corrugated wall at all internal corrugation crests.		
Liner Thickness (4-10 in. pipe diameter)	AASHTO M252	Type S and SP Pipe		
		Pipe Diameter	Min. Thickness*	
		4 in. (100mm)	0.02 in. (0.5mm)	
		6 in. (150mm)	0.02 in. (0.5mm)	
		8 in. (200mm)	0.025 in. (0.6mm)	
		10 in. (250mm)	0.025 in. (0.6mm)	
Liner Thickness (12-60 in pipe diameter)	AASHTO M294	Type D** and S Pipe		
		Pipe Diameter	Min. Thickness*	
		12 in. (300mm)	0.035 in. (0.9mm)	
		15 in. (375mm)	0.04 in. (1.0mm)	
		18 in. (450mm)	0.05 in. (1.3mm)	
		21 in. (525mm)	0.06 in. (1.5mm)	
		24 in. (600mm)	0.06 in. (1.5mm)	
		27 in. (675mm)	0.06 in. (1.5mm)	
		30 in. (750mm)	0.06 in. (1.5mm)	
		36 in. (900mm)	0.07 in. (1.7mm)	
		42 in. (1050mm)	0.07 in. (1.8mm)	
		48 in. (1200mm)	0.07 in. (1.8mm)	
		54 in. (1350mm)	0.08 in. (2.0mm)	
		60 in. (1500mm)	0.08 in. (2.0mm)	

Footnotes:

*The thickness of the liner shall be measured in accordance with ASTM D2122.

Last Modified: 1/31/23

**For Type D profile, the minimum liner thickness shall also apply to the outer wall.