

Evaluation Table:

PEP ID:	
Manufacturer:	
Product Name:	

705 Short-Line Preformed Pavement Marking - Type I (Permanent)
 ADOT Specifications: Stored Specification 705PVMRK Section 705-2.01

Material Property	Specification/ Test Method	Requirements	Results	Pass/ Fail
Thickness, min, inches	705-2.01 (A)	0.065 inches, min		
Warranty	705-2.01 (A)	2-5 years		
Resins and Plasticizers, min, %	705-2.01 (B)	20% min		
Reflective Glass Beads, min, %	705-2.01 (B)	20%, only applicable when used to reflectorize Type I markings		
Color	705-2.01 (C)(1) ASTM D6628	Pigments shall conform to standard highway colors		
Bend Test	705-2.01 (C)(2)	No fracture lines in the uppermost surface		
Tensile Strength, min, psi	705-2.01 (C)(3) ASTM D638	40 psi, min. The elongation shall be no greater than 75 percent.		
Pull Test, min, lbs	705-2.01 (C)(4) ASTM D4796	4 lbs, min for not less than 5 minutes at 70-80 degrees F		
Abrasion Resistance, max loss, grams	705-2.01 (C)(5) ASTM D4060	0.25 grams, max, in 500 revolutions		
Skid Resistance, min, BPN	705-2.01 (C)(6) ASTM E303	45 BPN, min		
Roundness, min, %	705-2.06 (B)(1) ASTM D1155	75%, min water-white true spheres		
Refractive Index, min	705-2.06 (B)(2) ASTM C1648	1.50 min, at 25 degrees C		
Retroreflectance, milicandela/m ² /lux	705-2.05 Table 1 Table 2	Report Only White 500, Yellow 300 White 350, Yellow 200		N/A
Gradation	705-2.06 (B)(3) AASHTO M 247	Type 1 and Type 3		
Heavy Metal Composition, max, ppm	705-2.06 (B)(4) EPA Method 3052 EPA Method 6010B	Arsenic < 75		
		Antimony < 75		
		Lead < 100		