



**FLEXIBLE SADDLES
(MANUFACTURED BY NDS)**

SUBMITTAL SHEET

- 1.0 Flexible Saddles** supplied by Indiana Seal are molded one-piece units manufactured from flexible PVC with steel reinforced saddle skirt edges and will accommodate sewer main sizes ranging from 6” to 36”.
- 2.0 The Clamps** used on flexible saddles supplied by Indiana Seal are constructed of series 300-premium grade stainless steel. Two # SSHC-248 (15”) clamps shall be furnished with each saddle and shall be tightened to a minimum of 60 in-lbs of torque.
- 3.0 The Flexible Saddles** shall be installed according to the manufacturers instructions.
- 4.0 Flexible Saddle Product Benefits**
- Tee and Wye branch configurations are available in 4” SDR 35/Sch 40 and 6” SDR 35 sizes.
 - Steel reinforced saddle skirt edges prevent distortion when torque is applied to the clamps.
 - Series 300 stainless steel clamps insure a positive seal.
 - Durable design makes the Flexible Saddle economical and environmentally wise.

ASTM Material Specification (NDS Material)

Chemical Resistance D543

1N sulfuric acid No weight loss

1N hydrochloric acid No weight loss

Tensile Strength Elongation D412 Die “C”

1000 psi (7/Mpa) min; 200% min. elongation @ break

Duration Hardness D2240

Shore durometer 50 min.to 75 max

Compression Set D395, Method B Type 2

30% max of original deflection D395, Method B Type 2

Water Absorption D471, immersed 7 days @ 158 method A

5% max

Ozone Resistance D1149, D518 Method A

No visible cracking under 7x magnification

Oven Aging D573 (158 “F” for 70 Hours)

75% min of original tensile strength, 65% min of original elongation

Cold Brittleness D476

Cold brittleness was determined to be -43°C

Tear Strength D624 Die “C”

125 lbs./in.