

# S.S.I. HDPE Manhole Insert Specifications

## SPECIFICATIONS

- The dish is made of an ultra high density polyethylene copolymer material that meets ASTM specifications designation D1248, Class A, Category 5, Type 111 with a minimum impact brittleness temperature of <-131° F. The thickness shall be uniform .187 mils (3/16"). Dish size is custom to fit the casting frame and lid. This material is corrosion proof from all gases associated with waste water collection systems.
- The lift strap is made of a woven polypropylene web and is attached to the bowl of the dish by a wide head stainless steel rivet and a stainless steel 3/4" backup washer. All cut edges are seared to insure against raveling.
- Ventilation is provided by a 1/8" vent hole and/or a valve located on the side of the bowl. The hole or valve allows a maximum release of 5 gallons of water per 24 hours and is not affected by debris that might collect in the bottom of the dish. Sewer gas is vented at one P.S.I. or less.
- A neoprene gasket is provided if required. The gasket is 1/8" thick by 5/8" wide.

## BENEFITS

- 5 year warranty on the body of the dish.
- Ventilation by valve or vent hole.
- Manufactured of ultra high density, extra high molecular weight polyethylene. (Marlex HXM 50100)
- Brittleness temperature to a <-131° Fahrenheit

## MARLEX HXM 50100

## EXTRA HIGH MOLECULAR WEIGHT HEXENE COPOLYMER

## CUSTOMER BENEFITS

- An excellent balance of stress cracking resistance, stiffness and melt strength make this resin an ideal candidate for large blow molded items and thermoformed parts.
- This resin has good melt strength and produces molded parts with excellent stress cracking resistance, good rigidity and excellent impact strength even at low temperatures.

## NORMAL PHYSICAL PROPERTIES

Property	ASTM	ENGLISH		METRIC	
		UNITS	VALUE	UNITS	VALUE
Density	D1505	lbs/ft3	59	g/cc	0.949
ESCR, Condition A, F 50	D1693	h	600	h	600
Tensile Strength 2" (50.8mm) per min	D638 Type IV	psi	3600	MPa	25
Brittleness Temperature	D746	Degrees F	<-131	Degrees C	<-91

## Sealing Systems, Inc.