



Epoxy &  
Polyurethane  
Manufacturing and  
Research

# TECHNICAL BULLETIN

## EPMAR® SS2017

### Two Component Polyurethane

#### Description

EPMAR® SS2017 is a two component, unfilled, 100% solids polyurethane potting and casting compound specifically developed for telecommunications connector blocks. SS2017 has outstanding adhesion to many substrates for module encapsulation. Part A is designated SA2017, and Part B is designated SB2017.

Due to its very low vapor pressure at room temperature during the liquid stage, it is much safer to handle than any TDI-based urethanes.

#### Typical Uncured Properties

	Part A	Part B	Mixed
Color	Amber	Green	Green
Weight/Gallon (lbs./gal.)	9.66	8.50	9.00
Specific Gravity	1.16	1.02	1.08
Viscosity at 25°C (cps)	800	300	450
Filler Content	0	0	0
Shelf Life @ 25°C., Months (Minimum from date of shipment)	6 months	6 months	
<b>Note: Values not intended for use in specification preparation</b>			

#### Physical Characteristics

Color	Green
Hardness, Shore D (Ultimate)	50
Hardness, Shore A (Ultimate)	95
Mix Ratio	100:150 by weight 2:3.5 by volume
Pot Life (100 grams @ 25°C.)	12 minutes
Gel Time (100 grams @ 25°C.)	18 minutes
Cure Schedule	3 hours @ 60°C 7-10 days at room temperature

**\*NOTE:** If not meter mixed through dispensing equipment, degass mixed SS2017 (Parts A and B) for 2 minutes under 29" of vacuum for a bubble free device.

#### CAUTION

As most urethanes, SS2017 is moisture sensitive. Keep dry nitrogen "head" over liquid in drums. Flush air space in opened containers with nitrogen before resealing. (Reaction with moisture results in a hard crust on Part A and in foaming of the mix if Part B is contaminated.)



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Contact EPMAR for any additional application information.

**Warranty**

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

**Service is part of our formula**

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