

**Ricon®/Poly bd® Sealant System**

**Product Description**

Ricon®/Poly bd® Sealant Systems use a Ricon® polybutadiene anhydride to react with a Poly bd® diol to produce a sealant having unique characteristics.

**Benefits/Features**

- √ The all-polybutadiene formulation renders the final reaction product hydrophobic
- √ The Ricon® anhydride produces a sealant without the use of isocyanates
- √ The liquid nature allows for ease of mixing
- √ The sealant can be filled with oil (up to 40% by weight) without bleedout
- √ The Ricon®/Poly bd® sealant is re-enterable

**Typical Uses**

- √ Conformal Coatings
- √ Re-enterable Sealants
- √ Urethane Replacement.

| Property            | Values                 | Units |
|---------------------|------------------------|-------|
| Hardness Shore A    | 24                     | A     |
| Tensile Strength    | 68                     | psi   |
| Tg                  | -90                    | °C    |
| Water Absorption    |                        |       |
| @ 25°C              | 0.1(96 hrs)            | %     |
| Dielectric Constant | 2.6                    |       |
| Dissipation Factor  | 0.01                   |       |
| Volume Resistivity  | 6.9 x 10 <sup>11</sup> | ohms  |
| Surface Resistivity | 1.4 x 10 <sup>14</sup> | ohms  |

**General Description of Ricon® 131MA10**  
(not to be considered as a specification)

Appearance: Amber liquid  
 Chemical Description: Maleinized Polybutadiene  
 Viscosity: 48,000@25°C cps (Part A)

**Handling**

To insure best performance, store at room temperature or below. Avoid contact with moist atmosphere since this will allow a skin to develop on the material. Do not heat with band heaters as hot spots may cause the material to crosslink and auto-accelerate.

| Ingredient       | Part A | Part B | Manufacturer            |
|------------------|--------|--------|-------------------------|
| Ricon® 131MA10   | 67.5   |        | Sartomer Company        |
| Drakeol® 9LT     | 32.4   | 18.9   | Penreco                 |
| Poly bd® R45HTLO |        | 74.2   | Sartomer Company        |
| Irganox 1010     | 0.09   |        | Ciba Specialty Chemical |
| Tinuvin 770      | 0.01   |        | Ciba Specialty Chemical |
| Sovermol VP650NS |        | 3.95   | Cognis                  |
| DAMA 1010        |        | 2.05   | Albermarle              |

**Mix Instructions**

**Part A**

Charge materials into mixing vessel; mix at 25 - 40°C for 2 hours

**Part B**

Charge materials into mixing vessel; warm to 60°C, stir for 1 hour.

The material is mixed 1:1 PartA:Part B

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