

TSE 3562

**Condensation Cure Mould Making Compound**

**Product Description**

TSE 3562 is a two-part, high strength, condensation cure, mould making product. In addition to their other features, this product offers extended mould life against polyester a time and cost saving advantage for our customers.

**Key Performance Properties**

- Extended mould life against polyester and polyurethane
- Excellent release
- Low viscosity
- High tear and tensile strength
- Superior detail reproduction
- Variety of cure options through five types of curing agents.

Pourable or brushable version.

**B** for standard / **C** for skin mould / **E** for low shrinkage /

**F** for fast cure / **T** for white

**Typical Product Data**

| Uncured Properties |          |            |               |       |               |             |
|--------------------|----------|------------|---------------|-------|---------------|-------------|
| Base               |          | TSE 3562 A |               |       |               |             |
| Appearance         |          | white      |               |       |               |             |
| Viscosity (23°C)   | Pa·s     | 45         |               |       |               |             |
| Curing agents      | TSE 3562 | B          | C             | E     | F             | T           |
| Appearance         |          | Green      | Reddish-brown | Green | Reddish-brown | Transparent |
| Mixing Ratio       | wt %     | 10         | 10            | 10    | 10            | 10          |
| Work Life *        | hrs      | 1          | 0.1           | 1     | 0.3           | 1           |
| Demould Time *     | hrs      | 24         | 4             | 24    | 6             | 24          |
| * at 25°C          |          |            |               |       |               |             |

**Typical Product Data**

| Cured Properties (72h @23°C) |                   |             |           |             |           |       |
|------------------------------|-------------------|-------------|-----------|-------------|-----------|-------|
| TSE 3562                     |                   | B           | C         | E           | F         | T     |
| Appearance                   |                   | Light green | Light red | Light green | Light red | White |
| Density                      | g/cm <sup>3</sup> | 1.09        |           |             |           |       |
| Hardness                     | Shore A           | 30          | 33        | 28          | 28        | 30    |
| Tensile Strength             | MPa               | 4.2         | 3.9       | 3.9         | 3.9       | 4.2   |
| Elongation                   | %                 | 400         | 400       | 430         | 430       | 400   |



|                                 |      |     |     |     |     |     |
|---------------------------------|------|-----|-----|-----|-----|-----|
| Tear Strength                   | N/mm | 20  | 15  | 20  | 20  | 20  |
| Linear shrinkage <sup>1</sup> , | %    | 0.3 | 0.4 | 0.1 | 0.5 | 0.3 |
| Linear shrinkage <sup>2</sup> , | %    | 0.6 | 0.8 | 0.3 | 0.9 | 0.6 |

1. (after 24h) 2. (after 72h)

**Specifications**

Typical product data values should not be used as specification. Assistance and specifications are available by contacting Momentive performance materials Technical Service RTV1 and RTV2.

**Instructions for Use**

**Mixing**

Select a mixing container 4-5 times larger than the volume of RTV silicone rubber compound to be used. Weigh out the RTV silicone rubber base compound and add the appropriate amount of curing agent. Shake catalyst thoroughly prior to use. With clean tools, thoroughly mix the RTV base compound and the curing agent, scraping the sides and bottom of the container carefully to produce a homogeneous mixture. When using power mixers, avoid excessive speeds, which could entrap large amounts of air or cause overheating of the mixture, resulting in shorter pot life.

**Deaeration**

Air entrapped during mixing should be removed to eliminate voids in the cured product. Expose the mixed material to a vacuum of 10-20 mbar. The material will expand, crest, and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing ceases. Automatic equipment designed to meter, mix, deaerate and dispense two-component RTV silicone rubber compounds will add convenience to continuous or large volume operations.

**Curing**

TSE 3562 will cure sufficiently in 24 hours at 25°C.

**Handling and Safety**

Material Safety Data Sheets are available upon request from Momentive performance materials. Similar information for solvents and other chemicals used with the Momentive performance materials products should be obtained from your supplier. When solvents are used, proper safety precautions must be observed.

**Storage and Warranty Period**

The shelf life will be indicated by the 'use before date' on the associated documents with a minimum of 4 months when stored in the original unopened containers below 27° C.

**Availability**

TSE 3562 A is available in 4.5 kg, 18 kg pails as well as 180 kg drums

TSE 3562 B / C / F / T are available in 450 g, 1.8 kg cans as well as 18 kg drums.  
TSE 3562 E is available in 450 g cans and in 1.8 kg cans.



PRINCIPAL LOCATIONS – Regional Information

|  |   |   |                    |
|--|---|---|--------------------|
| North America                            | World Headquarters<br>187 Danbury Road<br>Wilton, CT 06897, USA               | T 800.295.2392                          | F 607.754.7517     |
| Latin America                            | Rodovia Eng. Constâncio Cintra,<br>Km 78,5<br>Itatiba, SP – 13255-700, Brazil | T +55.11.4534.9650                      | F +55.11.4534.9660 |
| Europe, Middle East,<br>Africa and India | D-51368 Leverkusen<br>Germany   | T 00.800.4321.1000<br>T +31.164.293.276 | F +31.164.241.750  |
| Pacific                                  | Akasaka Park Building - 5-2-20 Akasaka<br>Minato-ku, Tokyo 107-6112 Japan     | T +81.3.5544.3100                       | F +81.3.5544.3101  |

CUSTOMER SERVICE CENTERS

|  |   |   |                    |
|--|---|---|--------------------|
| North America                            | Charleston, WV 25314, USA<br>E <a href="mailto:cs-na.silicones@momentive.com">cs-na.silicones@momentive.com</a> |   |                    |
|  | • Specialty Fluids  | T 800.523.5862                          | F 304.746.1654     |
|  | • UA, Silanes, Resins, and<br>Specialties   | T 800.334.4674                          | F 304.746.1623     |
|  | • RTV Products-Elastomers   | T 800.332.3390                          | F 304.746.1623     |
|  | • Sealants and Adhesives &<br>Construction  | T 877.943.7325                          | F 304.746.1654     |
| Latin America                            | E <a href="mailto:cs-la.silicones@momentive.com">cs-la.silicones@momentive.com</a>                              |   |                    |
|  | • Argentina & Chile   | T +54.11.4862.9544                      | F +54.11.4862.9544 |
|  | • Brazil  | T +55.11.4534.9650                      | F +55.11.4534.9660 |
|  | • Mexico & Central America  | T +52.55.5899.5135                      | F +52.55.5899.5138 |
|  | • Venezuela, Ecuador, Peru,<br>Colombia, & Caribbean  | T +58.212.285.2149                      | F +58.212.285.2149 |
| Europe, Middle East,<br>Africa and India | E <a href="mailto:cs-eur.silicones@momentive.com">cs-eur.silicones@momentive.com</a>                            | T 00.800.4321.1000<br>T +31.164.293.276 | F +31.164.241750   |
|  | E <a href="mailto:cs-ap.silicones@momentive.com">cs-ap.silicones@momentive.com</a>                              |   |                    |
| Pacific                                  | • Japan   | T +81.276.20.6182                       |                    |
|  | • China   | T +86.21.5050.4666 (ext. 1523)          |                    |
|  | • Korea   | T +82.2.6201.4600                       |                    |
|  | • Singapore   | T +65.6220.7022                         |                    |
| Worldwide Hotline                        | Worldwide Web<br><a href="http://www.momentive.com">www.momentive.com</a>                                       | T 800.295.2392<br>T +607.786.8131       | F +607.786.8309    |

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