

**DESCRIPTION**

Epodil 750 reactive diluent is 1,4-butanediol diglycidyl ether used to reduce the viscosity of epoxy resin systems. It provides the best ultimate viscosity reduction of all difunctional reactive diluents and like Epodil 749 reactive diluent is particularly useful for the formulation of systems with performance properties similar to those obtained with standard unmodified epoxy resins.

**ADVANTAGES**

- Minimal impact on reactivity
- Low volatility
- Best dilution efficiency of difunctional glycidyl ethers

**APPLICATIONS**

- Electrical potting, casting and encapsulation
- Laminates
- Exposed aggregate
- Flooring

**SHELF LIFE**

At least 3 years from the date of manufacture in the original sealed container at ambient temperature.

**STORAGE AND HANDLING**

Refer to the Safety Data Sheet for Epodil 750 reactive diluent.

**TYPICAL PROPERTIES**

|  |              |
|--|--------------|
| <b>Appearance</b>                            | Clear Liquid |
| <b>Colour<sup>1</sup> (Gardner)</b>          | 1 max        |
| <b>Viscosity<sup>2</sup> @ 25°C, [mPa.s]</b> | 10-18        |
| <b>Flash Point (closed cup) [°C]</b>         | >93          |
| <b>Specific Gravity @ 21°C [g/ml]</b>        | 1.11         |
| <b>Equivalent Wt/{Epoxide}</b>               | 120-135      |
| <b>Free Water [%]</b>                        | 0.2 max      |
| <b>Hydrolyzable Chloride [%]</b>             | 0.2 max      |
| <b>Free Epichlorohydrin [ppm]</b>            | 20 max       |

**RECOMMENDED USAGE**

| <b>Weight Percent<sup>3</sup></b> | <b>Mix Viscosity<sup>2</sup> at 25°C</b> |
|-----------------------------------|--|
| <b>Epodil 750</b>                 | <b>[mPa.s]</b>                           |
| <b>5</b>                          | 6,600                                    |
| <b>10</b>                         | 3,000                                    |
| <b>15</b>                         | 1,400                                    |
| <b>20</b>                         | 850                                      |
| <b>25</b>                         | 600                                      |

Footnotes:

(1) ASTM D 1544-80

(2) Brookfield RVTD, Spindle 4

(3) With Bisphenol A diglycidyl ether (EEW=190)

Epoxy Curing Agents and Modifiers

# EPODIL® 750 Reactive Diluent

**EVONIK RESOURCE EFFICIENCY GMBH**

Business Line Crosslinkers  
Paul-Baumann-Straße 1  
45764 Marl  
Germany

[apcsepx@evonik.com](mailto:apcsepx@evonik.com)  
[www.evonik.com/crosslinkers](http://www.evonik.com/crosslinkers)

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

