



Multifunctional Epoxies for High Performance Composites, Laminates and Adhesives

Description

- Multifunctional epoxy resins for high performance epoxy systems.

Applications

- Aerospace and industrial prepregs and fiber reinforced composites.
- Structural adhesives and high-performance coatings.
- Printed circuit boards, electrical molding, and casting compounds.

Features and Benefits

- Combination of high-performance mechanical, electrical, and thermal properties.
- Excellent high temperature properties with thermal stability.
- Outstanding mechanical and electrical properties.
- Excellent heat and chemical resistance.
- Can formulate to achieve Tg of 175°C to 260°C and HDT of 230°C to 240°C.

Multifunctional Epoxy Resins

- ER 721 is a tetra-glycidyl methylene di-aniline (TGMDA) epoxy resin.
- ER 722 is a tetra-glycidyl methylene ethyl aniline (TGMBEOEA) epoxy resin.
- ER 742 is a tri-glycidyl tris-hydroxyl phenyl methane epoxy resin.
- ER 7510 is a distilled tri-glycidyl p-aminophenol (TGPAP) epoxy resin.
- ER 7610 is a distilled tri-glycidyl m-aminophenol (TGMAP) epoxy resin.

Storage and Handling

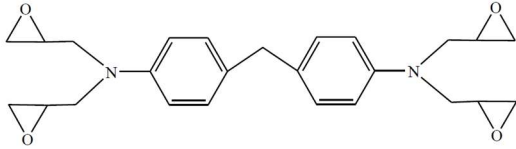
ReOxy should be stored in its original packaging under dry conditions to protect the material from humidity and excessive heat. Under these conditions, it will have a shelf life of at least 3 years. Please refer to the SDS for safety and handling instructions.

Disclaimer

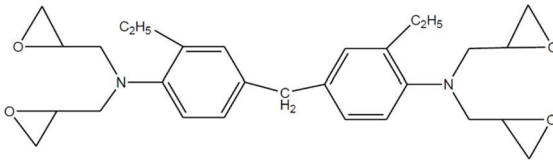
The properties listed above are typical values and should not be taken as products or sales specifications. All recommendations for use of products, whether given in writing, verbally, or to be implied from the results of tests carried out are based on the current state of knowledge. Although the information contained in this sheet is accurate to the best of our knowledge, no liability can be accepted in respect of such information and no warranty or conditions are intended in respect of the product described as the conditions of applications are beyond our control. We do not guarantee performance in the end application. The responsibility of testing the product lies with the user.

Multifunctional Epoxy Resins

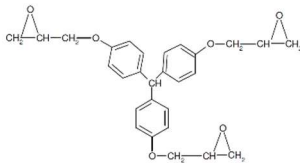
ER 721 is a tetra-glycidyl methylene di-aniline (TGMDA) epoxy with a functionality of 4.



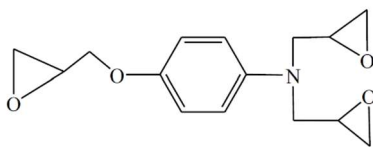
ER 722 is a tetra-glycidyl methylene ethyl aniline (TGEMBOEA) epoxy resin with a functionality of 4. Lower viscosity than ER 721 for better processability and stability.



ER 742 is a tri-glycidyl tris-hydroxyl phenyl methane epoxy with a functionality of 3.



ER 7510 is a low viscosity distilled tri-glycidyl p-aminophenol (TGPAP) epoxy resin with a functionality of 3.



ER 7610 is a low viscosity distilled tri-glycidyl m-aminophenol (TGMAP) epoxy resin with a functionality of 3.

