



Shanghai King Chemical Co.,Ltd

Tel: +86-21-67817854 Fax: +86-21-67817855

Address: ROOM CDEF , 9th Floor, Building D, Weijing Center Tower
NO.2337 GuDai Road, Minhang District, Shanghai, China

TECHNICAL DATA SHEET®

0164 epoxy resin

0164 epoxy resin is A bisphenol A type of liquid epoxy resin produced by the reaction of epichlorohydrin and bisphenol A.

Introduction

0164 epoxy resin is one of the most widely used universal liquid epoxy resin, based on which a variety of epoxy resin products can be developed. The liquid resin can be used at room temperature with a variety of curing agents, the most commonly used for aliphatic polyamines, polyamides, alicyclic amines and a variety of modified amines. By curing the resin at high temperatures, certain properties such as chemical resistance and glass transition temperature can be improved. If anhydride or catalytic hardeners are used, high temperature curing is required and a long post curing period is required for optimum performance.

Typical applications

This product is mainly suitable for the following occasions:

- adhesive
- Potting compound
- Floor coating
- Civil engineering
- Composite materials
- Automobile coating
- Solvent-free paint
- Heavy anticorrosive coatings for ships
- Liquid packaging material

Typical Feature

project	The numerical
appearance	Transparent liquid, no mechanical impurities
Colour and lustre (APHA)	Below 30
Epoxy equivalent (g/mol)	183-190.
Hydrolyzed chlorine (%)	0.050 the following
Volatile (150°C/40min, %)	0.30 the following
Viscosity (25°C, mPa·s)	10000-14000.



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Packaging and storage

0164 liquid epoxy resin will be supplied in sealed iron drums, in bulk or as agreed by both parties. This low molecular weight liquid epoxy resin should be stored in its original sealed package in a dry place at a temperature of 10-40°C (minimum storage temperature should not be less than 2°C). Storage should be far away from high temperature fire, avoid sunlight. Under the above conditions, the epoxy resin shall maintain its chemical properties for at least 24 months from the date of manufacture.

Under certain conditions, such as storage temperature below 2°C, 0164 epoxy resin may crystallize. The crystallization of resin is only a physical change and does not change its chemical properties. If there is crystallization, the resin can be heated to 70-80°C, and through stirring, so that the resin to restore the original character.

Safety and disposal

The product shall be processed, used and disposed in accordance with the relevant safety and health laws and regulations of the country and the region. For detailed information on the safety of this product, please refer to the CORRESPONDING MSDS report of this product.

Contact

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Minhang District, Shanghai, China 201199
Phone: +86-21-67817854
Fax: + 86-21-67817854
Web: <http://www.shkingchem.com> |

statement

The above information is based on reliable data. However, the specific application occasions and application conditions are not within our control. The curing formula and curing performance are for reference only. Customers can confirm their own formula and achieve physical property data according to their own needs.

This product should be used with caution and in accordance with the laws of the relevant region or country. It is not recommended to use on critical components of medical equipment in direct contact with the human body for extended periods of time.