



Description

ETERSET 2960 is a chemical resistant, non-promoted Bisphenol-A epoxy-based vinylester resin. It has excellent corrosion resistance of most acidic and alkali chemicals ; it also has excellent strength and mechanical properties; superior operability and environmental durability.

Performance

- √Exhibits good chemical resistance.
- √Offers superior wet-out and excellent mechanical properties.
- √Has reliable gel time and stability.
- √Comply with Food-grade FDA regulation 21 CFR 177.2420.
- √DNV register approval for marine.

Application

Chemical storage tanks, pipes, fume gas desulfurizing systems (FGD), scrubbers, ducts.
Corrosion resistant flooring .
Yachts ,boats..ect for Marine applications.
Waste water treatment system.
Food and storage tanks and pure water system.

Typical Resin Properties

Color	Yellowish liquid	
Viscosity , cps.	350-450	@25°C , Brookfield Spindle #3@60RPM
Solid Content, %	55-58	
Gel Time, minutes	30'-35'	@30°C ,0.3% Cobalt(6%), 1% Butanox M-60
Shelf life, months	6	

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Typical Physical Properties of Cured Castings

*Castings		Test Method
Barcol hardness	35	ASTM D 2583
Tensile strength, MPa	90	ASTM D 638
Tensile modulus, MPa	3480	ASTM D 638
Elongation, %	5.1	ASTM D 638
Flexural Strength, MPa	150	ASTM D 790
Flexural Modulus, MPa	3570	ASTM D 790
*Heat distortion temp., °C	110	ASTM D 648

* Cure condition: 24 hours at room temperature then 2 hours at 120°C

Safety precautions:

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please refer to the corresponding material safety data sheets(MSDS).

Personal hygiene

Safety precautions at workplace :

Protective clothing	yes
Gloves	essential
Arm protectors	recommended when skin contact likely
Goggles/Safety glasses	yes
Respirator masks	yes

Skin protection

Before starting work	Apply barrier cream to exposed skin
After washing	Apply barrier or nourishing cream
Cleansing of contaminated skin	Dab off with absorbent paper, wash with warm water and alkali-free soap, then dry with disposable towels. Do not use solvents

Disposal of spillage

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Soak up with sawdust or cotton waste and deposit in plastic-lined bin

Ventilation

Of workshop

Renew air 3 to 5 times an hour

Of workplaces

Exhaust fans. Operatives should avoid inhaling vapours

First aid

Contamination of the eyes by resin, hardener or mix should be treated immediately by flushing with clean, running water for 10 to 15 minutes. A doctor should then be consulted.

Material smeared or splashed on the skin should be dabbed off, and the contaminated area then washed and treated with a cleansing cream (see above). A doctor should be consulted in the event of severe irritation or burns. Contaminated clothing should be changed immediately.

Anyone taken ill after inhaling vapours should be moved out of doors immediately. In all cases of doubt call for medical assistance.

Recommended Storage

Storage life decreases with increasing storage temperature . To ensure aximum stability and maintain optimum resin properties, It is highly recommended that all material is stored indoors at stable temperatures under 25°C (77°F) and away from heat ignition sources and sunlight. Keep sealed to prevent monomer loss and moisture pick-up . Inventory should be comply with first-in, first-out stock rotation. Mild agitation of thixotropic resins is recommended after prolonged storage.

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