



Description

Eterset 2962 is a novolac-based epoxy vinyl ester resin. It provides exceptional mechanical properties at higher temperatures and offers excellent resistance to chemical mixture, oxidizing chemicals and solvents.

Performance

Offers superior wet-out and excellent mechanical properties.
Has reliable gel time and stability.
Superior oxidation resistance.
Exhibits excellent craze resistance.

Application

Chemical storage tanks, pipes, fume gas desulfurizing systems (FGD), scrubbers, ducts those working in higher environmental temperature
Corrosion resistant lining on concrete at high working environmental temperature.
Waste water treatment system by high operation temperature.

Typical Resin Properties

Color	Yellowish liquid	
Viscosity , cps.	350-450	@25°C , Brookfield Spindle #3@60RPM
Solid Content, %	64-67	105°C ,3 hours
Gel Time, minutes	17'-23'	@ 25°C ,0.4% Cobalt(6%),0.05% DMA, 1.2% Butanox M-60
Shelf life, months	6	

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Typical Physical Properties of Cured Castings

*Castings		Test Method
Shore D hardness	43	ASTM D 2583
Tensile strength, MPa	64	ASTM D 638
Tensile modulus, MPa	3620	ASTM D 638
Elongation, %	2.6	ASTM D 638
Flexural Strength,MPa	136	ASTM D 790
Flexural Modulus,MPa	4010	ASTM D 790
**Heat distortion temp., °C	149	ASTM D 648

*Cure condition: 24 hours at room temp. and 2 hours at 120°C

**Cure condition for HDT: 24 hours at room temperature then 24 hours at 180°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

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solvents

Disposal of spillage

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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