



Flame retardant Unsaturated Polyester

Description : ETERSET 2929 is an unfilled, unpromoted, halogenated resin.
UL 94 V-0 can be achieved when glass fiber lamiantes with 2929.

Performance : Offers high impact strength.
Provides fast cure.
Offers superior wet-out, and mechanical properties.

Suggested Uses : Hand lay-up laminates where fire retardancy is important.

SPECIFICATIONS

Appearance	Yellowish Turbid
Strene monomer content, %	35-38
Viscosity - Brookfield at 25°C #3 spindle at 60rpm, cps	1200-1400

TYPICAL PERFORMANCE DATA

(for guidance only)

Typical Curing characteristics:

Typical gel data

25°C, 6%Co = 0.5% ,

Gel time, mins.

6'-11'

Total time to peak exotherm, mins.

12'-24'

Peak exotherm temperature, °C

≥ 130

Typical Physical Properties of Cured Castings:

Clear casting, ETERTSET 2929

<u>Properties</u>	<u>Value</u>
Tensile strength Kg/mm ²	4.3
Tensile modulus Kg/mm ²	268
Elongation, %	2.26
Flexural strength Kg/mm ²	10.2
Flexural modulus Kg/mm ²	393
Heat distortion temperature, °C	70

Typical Physical Properties of FRP:

Glass Fiber Laminates (450g/m² 3 layers)

UL-94

V0

LOI(5% Sb2O3)

30~32

Recommended Storage:

Typical storage life at temperature below 25°C is three months.

Storage life decreases with increasing temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes.

Keep containers sealed to prevent moisture pick-up and monomer loss.

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