



TECHNICAL DATA SHEET

ESTEROCHEM EP-909 UNSATURATED POLYESTER RESIN

Product Description

ESTEROCHEM EP-909 is PET-based non accelerated unsaturated polyester resin is formulated from standard glycols. It is used in fiber doors, window frames, and general-purpose composite applications. It ensures high strength, durability, and consistent quality.

Applications

- Fiber Doors
- Green Bin/Dust Bin & Planter's Quay
- Window Frames
- Decorative Panels
- Light Structural Items
- Partition Sheets
- Furniture Components

Technical Properties

Property	Value
Appearance	Light Yellow Transparent Resin
Styrene Content	32 – 35%
Acid Value	≤20 mg KOH/g
Solid Content	65 – 68%
Mass Density	1.12 – 1.19 g/cm ³
Viscosity @ 30°C	80 – 90 seconds
Gel Time @ 30°C	10 – 12 minutes
Peak Exothermic Temperature	170 – 175°C
Time to Peak Exotherm	13 – 20 minutes

Gel Time Calculation:

Promoter: Cobalt napthenate 0.33%, Co content:6%; curing agent MEKP 1%, Effective oxygen content:10%;
[Gel time and Viscosity can be optimized as per customer requirement]

Storage Guidelines

ESTEROCHEM EP-909 should be stored in a cool, dark environment at or below 25°C. Exposure to higher temperatures may reduce the product's shelf life and affect performance.

Shelf Life

Under recommended storage conditions (≤25°C), the shelf life of the product is **three months**. Prolonged exposure to elevated temperatures will shorten shelf life.

Packaging

Supplied in **225 kg iron drums**.