



## ASTEROCHEM™

### TECHNICAL DATA SHEET

#### ESTEROCHEM EP-929 UNSATURATED POLYESTER RESIN

##### Product Description

EP-929 is synthesized using high-performance glycols, including NPG, blended with high performance low-profile additive to improve impact strength, surface shine and UV resistance. It is specifically formulated for casting cultured marble, quartz stone, and solid surface.

##### Applications

- Solid surface
- Cultured marble
- Quartz stone

##### Technical Properties

Property	Value
Appearance	Clear Transparent viscous liquid
Volatile Content	30 – 32%
Acid Value	≤28 mg KOH/g
Solid Content	68 – 70%
Mass Density	1.12 – 1.19 g/cm <sup>3</sup>
Viscosity @ 30°C (Ford Cup 4)	85 – 90 seconds
Gel Time @ 30°C	5-6 minutes
Peak Exothermic Temperature	160 – 165°C
Time to Peak Exotherm	10 – 15 minutes

##### Gel Time Calculation:

Promoter: Cobalt naphthenate 0.5%, 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-929 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 (≤20°C), the shelf life of the product is 6 months at ventilated places, avoiding direct sunlight and heat or fire.

##### Packaging

Supplied in 220 kg iron drums.

The information provided herein is based on our current level of knowledge and experience. As resin performance can vary due to numerous factors beyond our control, we strongly recommend users conduct their own preliminary tests to ensure product suitability for specific applications. Should there be any significant variation in resin properties, please contact your supplier immediately.