



VINYL ESTER RESINS

High Performance Epoxy based Vinyl Ester Resins

AYPOLS brings the **Trusted Chemistry**, the **Trusted Products**, the **Trusted Performance**, **Trusted Services** and a **Trusted Partner** through its Innovation, Quality Assurance, Research & Developments to absolute Customer Service with practical Technical Support.



Epoxy Vinyl Ester Resins & Applications:

- Epoxy-based vinyl ester resins are versatile materials used in various applications due to their excellent chemical resistance, mechanical properties, and ease of processing with the following applications.
- **Marine Industry:** Used for boat hulls, decks, and other marine structures due to their resistance to water and salt.
- **Chemical Processing Equipment:** Ideal for storage tanks, pipes, and other equipment exposed to harsh chemicals.
- **Construction:** Used in reinforced concrete, rebar coatings, bridges and building facades for enhanced durability.
- **Automotive and Transportation:** Car, Vehicle Chassis, Buses Components like body panels, frames, and other parts needing high strength-to-weight ratios.
- **Aerospace:** Used in the production of lightweight, high-strength components for aircraft, satellites and spacecraft parts.
- **Renewable Energy:** Applied in wind turbine blades and other renewable energy infrastructure like Solar panels.
- **Sports and Leisure Equipment:** Used in the production of high-performance sports equipment like bicycles, skis, and helmets.
- **Corrosion-Resistant Coatings:** Applied as protective coatings for metal structures exposed to corrosive environments in Coated pipelines, industrial machinery, offshore platforms.



AYPOLS Epoxy Vinyl Ester Resin Product Line:

AYPOLS VE RESIN	PRODUCT	KEY POINTS
VESPOLVE 9101-350 NA	Superior quality Bisphenol A based vinyl Ester Resin, Non accelerated, designed for Hand layup and spray up process.	High HDT, High tensile strength, flexural strength, and Chemical, Chemical & Impact resistance, ideal for CFW, HFW, Pultrusion.
VESPOLVE 9101 NA H	Superior Epoxy based non accelerated Vinyl ester resin, Hand layup process for Tank and pipes of Chemical processing industrial applications	High HDT, Low Shrinkage, Medium viscosity, Excellent corrosive resistant with wide range of PH liquids & chemicals.
VESPOLVE 9102 NA H	High Quality Epoxy based non accelerated Vinyl ester resin, designed for making Chemical tank and pipes in Hand layup applications	Good Corrosive resistant compare with ISO Resin, High Mechanical strength with Excellent water resistance.
VESPOLVE 9101 NA H	Superior quality Bisphenol A based Vinyl ester resin is non accelerated, low viscosity, medium reactive, ideal choice of Tooling Hand layup applications	Low shrinkage and High Heat Distortion Temperature and Excellent chemical resistant with wide range of Acids and Alkalis
VESPOLVE 9103 TA S BC	Superior Epoxy based vinyl ester pre accelerated thixotropic Barrier Coat/Skin Coat resin, designed for FRP mold making.	Act as an Excellent Barrier coat between Gelcoat and Laminate, High HDT Low Shrinkage, Excellent weather resistance
VESPOLVE 9110 GC UV PAS	Superior quality Epoxy based pre accelerated Thixotropic Tooling gelcoat for spray applications, its designed for making mold making purpose.	Excellent UV resistance, High HDT, Low shrinkage, High Flexural modulus and Good toughness. Wide range of pigment version.
VESPOLVE 9330 PA S TC	Superior quality Epoxy based pre accelerated thixotropic vinyl ester Topcoat for spray applications, its designed for making Tooling applications	High HDT, High Gloss retention, Smooth surface excellent UV and weather resistance

Key Benefits with Aypols Epoxy Vinyl Ester Resins:

- Aypols High Performance Epoxy based Vinyl Ester Resins offer a range of advantages and benefits that make them a preferred choice for many industrial and commercial applications. Here are some key advantages:
- **Excellent Chemical Resistance:** Highly resistant to acids, alkalis, solvents, and other corrosive substances, ideal for use in chemical processing equipment, storage tanks, and pipelines that are exposed to harsh chemicals.
- **Superior Mechanical Properties:** High tensile strength, flexural strength, and impact resistance for construction, automotive, and aerospace industries.
- **Ease of Processing:** Can be easily molded, shaped, and cured and excellent for marine and sports equipment.
- **Outstanding Thermal Stability, Ease of processing, Excellent Adhesion, Reduced Shrinkage, Enhanced Fatigue Resistance, Low water Absorption, and the most cost effective products too**
- **Manufactured using Statistical Process and Quality Controls at our own ISO 9001-2015 certified manufacturing facility**
- **Consistent Performance batch to batch consistency with robust quality controls at our laboratory**



- ★ The Trusted Chemistry
- ★ The Trusted Products
- ★ The Trusted Performance
- ★ The Trusted Services
- ★ The Trusted Partner

For more information, related to the above product line, please call/ Email/ Send Enquiry-

Aypols Polymers Private Limited

211/212, Ravindranath Layout, Venkatasamy Road, New Sidhapudur, Coimbatore-641044, Tamilnadu, India

+91 422 4387801

info@aypolspolymers.com

www.aypolspolymers.com

AYPOLS
Unsaturated Polyester Resins

VESPOL
Vinyl Ester Resins

NEXGEL
Premium Gelcoats

NEXCOAT
Premium Coating Resins

NEXTINT
Premium Pigments