CUSTOMER SERVICES BULLETIN

FIBER-TEK POLYESTER RESINS

(See also Polyester Resin Use Sheet)

Descritption: All polyester resins are divided into different groups. To enable the reader to better understand this, we have included a brief description of each type.

- **WAXED** - A waxed resin is generally referred to as a finishing resin. It will cure to a hard, tack free surface when fully cured. This type of material is generally used as a single coat, a final coat or for minor repairs.
- **UNWAXED** - An unwaxed resin is generally referred to as a laminating resin. When fully cured, the surface will remain slightly tacky. This type of material is generally used in multiple laminations such as laying up a mold.
- **ORTHOPHTHALIC** - Orthophthalic (ortho) resins are the basic chemistry of polyester resins. It is a raw material utilized in general purpose polyester resin and has a type of molecular structure that is considered to be the standard in the industry.
- **ISOPHTHALIC** - Isophthalic (iso) resins are higher grade resins than ortho resins in that the molecular structure is denser.It is a special raw material utilized in corrosion resistant and/or premium grade polyester resins. These resins will exhibit a higher heat distortion temperature, higher strength, greater flexibility and are more water proof than orthophthalic resins.

FT-140: An unwaxed general purpose orthophthalic laminating resin which exhibits a moderate exotherm temperature and cure to allow for thicker laminate applications.

FT-150: A waxed general purpose orthophthalic resin generally used in marine, automotive and general repairs, as well as sundeck and other do-it-yourself applications.

FT-402: An unwaxed isophthalic laminating resin which exhibits high heat distortion ideal for fiberglass mold making, outstanding corrosion resistance and physical properties. Check chemical environment before selecting an iso resin.

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FT-036: An unwaxed orthophthalic water clear casting resin designed for applications in which extreme clarity and freedom of colour when cured are required. Suggested applications include casting jewellery, artistic pieces, decorative castings, biological and botanical encapsulations, etc.

FT-737: A waxed, orthophthalic, U.V. stabilized, water clear surfboard finishing resin specifically designed for surfacing surfboards/sailboards, boats and other applications requiring an exterior, high gloss clear coat. (Also available in unwaxed)

FT-152: An unwaxed, orthophthalic, industrial marble bonding resin used exclusively in the marble and granite industry. Benzoyl Peroxide catalyst is used to generate the cure for this product.

FT-006: An unwaxed, orthophthalic, industrial marble casting resin used in the manufacture of synthetic marble and other casting requirements. Can be filled and can be tinted in a wide array of colours, from solid to swirled, with polyester pigments.

Ft-411: An unwaxed, epoxy-based vinyl ester resin designed to provide superior toughness and high corrosion resistance. This resin can tolerate heavy design loads without causing failure from resin damage, exhibits high impact strength and is resistant to a wide range of acids, alkalis, bleaches and solvents, which allows extensive use in many chemical processing industry applications.

Hetron 197: A fire retardant resin which exhibits excellent corrosion resistance in acidic and oxidizing environments. Generally used in the manufacture and repair of S.M.C. (sheet molded compound) car and truck body panels and other manufactured parts.

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