



ECMALON 8886

**200-220
kgs**

Packaging

ECMALON Polyester Resin is packed in Epoxy lined drums of standard size containing 200/220 kgs in net weight.

Shelf Life

ECMALON Polyester Resin 8886 will remain stable for about 3 mnts if stored in the dark & at temperatures below 25°C. Their stability however deteriorates markedly at higher temperatures, especially when they are directly exposed to sunlight. Hence, they should be kept in a cool, dark place. It is advisable to finish it within three months. Inventory levels should be kept to a reasonable minimum with first-in-first-out stock rotation.

Standards

TYPE: I rating as per I.S.6746: 1994

ISOPHTHALIC FIRE RETARDANT (FR) RESIN

Description

ECMALON 8886 is an Isophthalic based polyester laminating resin with self - Extinguishing characteristics. 8886 is Isophthalic fire-retardant mouldings complying with the requirement of 'VERY LOW FLAMMABILITY'. This resin is suited for hand lay-up poltrusion and filament winding applications.

Typical Properties Of Liquid Resin

Liquid ECMALON 8886 Polyester resin has the following Characteristics: ECMALON 8886 is Curable with free radical initiating catalyst at room temperature. Cobalt Accelerator and MEKP Catalyst are particularly suitable for curing at room temperature

Physical Properties

Appearance	Slightly thick cream to white color opaque liquid
Viscosity @ 25°C	900 ± 200 cps
Specific Gravity @ 27°C	1.2 ± 0.02
Acid Value (mgKOH/Gm)	14 ± 4
Monomer Content (%)	32 ± 4
Gel Time @ 25°C	18 ± 8
Resin – 100 Gm; Cobalt Accelerator 1.5 ml Promotor 1.5 ml MEKP Catalyst 1.5 ml	
Flammability Test	Type 1



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website www.ecmas.in

Storage And Handling**KEEP DRY**

The materials must be stored in a moisture free, cool and dry environment, away from any direct sun-light.

STACK HEIGHT

Please avoid stacking of the containers.

Handle the product(s) very carefully during transportation.

Safety Precautions

Wear all PPE's at the time of the application like safety boots, goggles, hand gloves and masks. Avoid contact with skin and eyes. Any direct skin contact with the products should be washed off thoroughly with soap and water.

Physical Properties

Packing Instruction	When the temperature of the Resin is below 50°C;
	pack the material as per the instructions

The quantities of Catalyst & Accelerator applied can be adjusted for a shorter/ longer gel time by increasing/decreasing catalyst, accelerator /both.

CAUTION: Accelerator must be completely mixed before catalyst is added in order to avoid a direct blending which will causes an EXPLOSION.

TYPICAL PROPERTIES OF CURED LAMINATE ECMALON 4413PA (IF) RESIN

(Specimen cured for 24 hours at room temperature followed by post-curing for 4hours @ 90oC)

Property	Unit	Typical Value	Test Method
Hardness	Barcol	45 min	IS 6746-'94
Flexural Strength (kg/cm2)	Mpa	90 min	ISO 178
Tensile Strength (kg/cm2)	Mpa	50 min	ISO 527
Heat Distortion Temperature	°C	80 min	ISO 75
Water absorption, 7days	mgs	60 max	ISO 62/1980
Flexural Modulus	Mpa	3200 min	ISO 527

Storage & Handling

The containers are recommended to be stored in cool and dry conditions for best result. Exposure to sources of heat and sunlight are to be avoided. After drawing the required resin, the container is to be securely closed, left over quantities after usage are not to be transferred back to the container.

The resin contains a volatile monomer with a flash point at 32°C and is of moderate fire hazard. Due precautions to be observed while handling to avoid accidents.

Accelerator and Catalyst are not to be mixed together in the resin. Catalyst is added after thoroughly dispersing the accelerator. All direct contacts of accelerator and catalyst are strictly prohibited as they can lead to explosion.

Quality Policy

ECMAS is committed to enhance Customer Satisfaction; Conservation of Environment; Adherence to Safe Occupational Health & Safety Practices through its Operations and practices for continual improvement of the established IMS by carrying regular internal audits and complying with applicable Legal and other Requirements.



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NOTE: information in this technical data sheet is to the best of our knowledge true and accurate. However, such conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.

Warranty

The above information is furnished based on the data generated at our works for the benefit of making proper selection of resin. No liability is accepted on the information provided.



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