

MECHSTER™ 9000CFM

(Orthophthalate Polyester Resin for Filament Winding)

Mechster™ designates a variety of unsaturated polyester resins manufactured by *Mechemco Resins Pvt. Ltd.* These resins are specially engineered to meet the most diverse needs of fibreglass reinforced plastic moulding industry. Our R & D is geared to tailor **Mechster™ Resins** for the customers' most specific end application. In fact we take pride in suitably formulating the resin to improve your production efficiency as also the field performance of the FRP product.

Mechster™ 9000CFM is a highly thixotropic corner filling compound which is a specially modified version of unsaturated polyester resin. It is highly suitable for variety of molding applications for filling the corners after gel coat application for FRP molding operations

Mechster™ 9000CFM is designed to have:

- Excellent spread to fill up the corners without any air entrapment
- Easier vertical surface application with minimum sagging
- Even curing

Corners and edges filled with **Mechster™ 9000CFM** exhibit good strength and prevents breaking / chipping of the finished components

Physical Properties:

Appearance	: Opaque Paste
Specific Gravity @ 25°C	: 1.30 ± 0.03
Viscosity @ 25°C behavior	: Highly Thixotropic
Volatile Content, (w/w) %	: 25 ± 3

Curing Behavior:

Gel time, minutes @ 25°C	: 15 – 20
with 1.5% Catalyst (MEKP – 9% Active Oxygen)	
Peak Exotherm Temperature, °C	: > 100

Uses

Mechster™ 9000CFM is ideally suitable for application as the corner / edge filling compound for any type of open mold processes, viz., Hand Layup / Spray-up. These edges and corners do not change the shape or do not chip off due to impact and can be used in combination with all type of Mechster™ Resins and Mechster™ Gel Coats.

Packing

Mechster™ 9000CFM is supplied in non returnable Open top M.S. drums containing 60 kg. net

Storage and Handling

Mechster™ 9000CFM resin should be stored in a cool dry place away from sunlight, preferably below 25°C. Under these conditions, the shelf life is well over 3 months. Material must be stirred well before using.

Mechster™ 9000CFM has a flash point of 34°C and is classified as flammable. Containers should be kept in a cool and ventilated place away from sunlight and sources of ignition. "No Smoking" rules should be strictly enforced. In case of fire, use dry chemical, foam, carbon dioxide or water spray to extinguish the flame. Spillages may be absorbed onto sand or earth and shovelled off and disposed according to local disposal regulations.

Skin contact and vapor inhalation should be avoided during moulding because of the presence of styrene monomer. In case of irritation in the eye or skin, wash with copious amount of water. In extreme case, seek immediate medical advice. The moulding area should be sufficiently ventilated for reducing the vapour levels in the air while compounding and moulding.

The above information and recommendation are based on our extensive experience in the field and is provided only as a general guidance for application of our product. The user should verify the suitability of our product for their own specific applications. We do not warrant or assume any liability for the information provided.