

RESINS FOR FLAME RETARDANT APPLICATION

Mechster®



SALIENT FEATURES

- Low Flame Spread, Low Smoke, Low Toxicity
- UV and Weather Resistant
- Self Extinguishing

TYPICAL PRODUCTS

- Cable Trays
- Gratings
- Railway Shutters
- Window Frames
- Doors
- Switch-gears, insulators
- Engine Covers and many more...

FABRICATION TECHNIQUES

- Hand Lay-Up, Spray-Up
- Compression Moulding - SMC/DMC/BMC
- Filament Winding
- Pultrusion
- RTM & Resin Infusion Moulding

APPLICATIONS

- Railways, Mass Transport
- Automotive
- Oil & Gas
- Electrical & Electronics
- Building & Construction
- Marine and Transportation
- Defence
- Infrastructure and Offshore, etc..

MECHSTER® RESINS THE RIGHT CHOICE FOR FLAME RETARDANT APPLICATIONS

FILLED RESIN SYSTEMS:

- Mechster® 1620(O) : Flame Retardant Orthophthalate Resin
- Mechster® 1620(I) : Flame Retardant Isophthalate Resin
- Mechster® 9000MFR : Flame Retardant Orthophthalate Resin for RTM
- Mechster® 1110MFR : Flame Retardant Isophthalate Resin for RTM
- Mechster® 1110PFR : Flame Retardant Isophthalate Resin for Pultrusion Application (Pigmentable / Non Pigmentable version With / without LPA Modifications)

HALOGENATED RESIN SYSTEMS:

- Mechster® 3510FR : Chlorendic based Clear Resin for Transluscent Sheets & Clear Casting
- Mechster® 6300 : Chlorendic based Unsaturated Polyester Resin
- Mechster® 6300N : NPG Chlorendic based Unsaturated Polyester Resin
- Mechster® 5310FR : Brominated Bisphenol A Epoxy based Vinyl ester Resin
- Mechster® 5310CFR : Brominated Epoxy based Vinyl ester Resin
- Mechster® 5310NFR : Brominated Epoxy Novalac based Vinyl ester Resin

HALOGEN FREE FLAME RETARDANT RESINS:

(Low Smoke-Low Toxicity-Low Flame spread)

- Mechster® 9000HFR : Halogen Free Flame Retardant Orthophthalate Resin
- Mechster® 1110HFR : Halogen Free Flame Retardant Isophthalate Resin
- Mechster® 1110NGHFR : Halogen Free Flame Retardant NPG Isophthalate Gelcoat

ALSO AVAILABLE ON REQUEST:

- Gelcoat/ Top coat of selected grades
- Modified versions of halogen free flame Retardant Resins for RTM and Pultrusion Applications



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