

Introduction

SMC (Sheet Molding Compound) and DMC (Dough Molding Compound) components are types of composite materials used extensively in electrical and mechanical applications.

1. SMC (Sheet Molding Compound):

- SMC is a thermosetting composite material made from a blend of resins, fillers, fibers, and additives.
- It is typically processed through compression molding or injection molding techniques.
- SMC components are known for their excellent mechanical strength, dimensional stability, and resistance to corrosion and fire.
- Common applications include electrical enclosures, panels, insulators, automotive parts, and various structural components where high strength and durability are required.

2. DMC (Dough Molding Compound):

- DMC is also a thermosetting composite material similar to SMC but with a higher filler content and a dough-like consistency.
- It is also processed through compression molding techniques.
- DMC components offer good electrical insulation properties, dimensional stability, and resistance to heat and chemicals.
- They are commonly used in electrical components such as terminal blocks, insulators, switchgear components, and other applications where electrical insulation and mechanical strength are critical.

We are currently approved from NTPC , Siemens & BHEL to supply the custom designed SMC/DMC components.