



TECHNICAL DATA SHEET

SK2TM200-1

Powdered mandrel material

► DESCRIPTION

SK2TM200-1 is a powdered mandrel material, which is easily mixed with water. It may be poured or injected into molds to form complex mandrels for composite lay-ups. Material is readily soluble in cold tap water and formulated to minimize air bubbles and voids. It can easily be washed away from the finished part.

SK2TM200-1 saves time, labor and the wash-away feature minimizes the possibility of damaging fine details.

This product is used in various manufacturing processes of parts made of composite materials.

Benefits

- Easily mixed with water
- Makes complex part manufacturing simple
- Pourable and injectable
- Easily dried in a convection oven
- Environmentally friendly, no special
- Easily repaired and re-formed disposal procedures required
- Reduces labor
- Washes away in cold tap water
- Saves money
- Compatible with all commercial resins
- Saves time prepreg compounds

It is recommended to seal the tool with SK2TM200-4 to prevent resin migration.

► TECHNICAL DATA

| | |
|-----------------------------------|---|
| Material type: | Powder |
| Color: | White |
| Compressive strength: | 596 ± 46 pci (pound per cubic inch) at 21°C |
| Density Dry: | 573,46 kg/m ³ |
| Coefficient of Thermal Expansion: | 3.6 x 10 ⁻⁶ mm/mm°C |

Drying at 120 to 135°C for 1.5 hour per inch (2,5 cm) of thickness in a hot air convection oven. Drying time can vary depending on geometry and size, you can control this by measuring weight loss in certain time steps.

► SIZE

| Volume | Weight |
|----------------|----------------------------|
| 5 Gal (18,9 L) | Pail, Ø 330 x 380mm, 7 kg |
| 55 Gal (208 L) | Drum, Ø 600 x 930mm, 77 kg |

► WATERSOLUBLE MANDREL PROCESS





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Shelf life: 24 months.

Storage conditions: it is recommended to store at temperature from +10°C until +30°C in the original packing.

► **NOTE**

Please contact us for getting special manufacturing guide with involved techniques and properties of the product.