SR PF 90-70
Epoxy powder

Epoxy Powder
Melting point: 90 °C
Average diameter: 70 microns

Features
- Good flow ability
- Reversible process of preform-forming
- Low softening point (90°C)

Application
- Epoxy resin in powder form with a good flow ability based on Bisphenol-A
- Good binder for preforms for carbon fibre or glass fibre.
- Processing via sprinkling on fabrics; afterwards fixing on the material by temporary heating up on temperatures above 80 – 90°C.
The thermoplastic character of this binder allows a reversible process of forming the preforms.

Property SR PF 90-70
Delivery form: White powder
Softening point: 90 °C ± 15

Epoxy number: 4.8 % ± 0.5
Epoxy equivalent weight: 905 ± 100 g/equiv
Epoxy value: 0.11 ± 0.01 Equiv./100 g
Hydrolyzable chlorine content: < 0.2 %
Hydroxyl value: 0.31 ± 0.02 Äquiv./100 g
Volatile content: < 0.7 % on 3 hrs 140 °C

Bulk density (20°C): 550 ± 50 kg/m³
DSC: onset = 59 °C 10 °C to 160 °C @ 10 °C/mn

Viscosities (cps):
@ 90 °C: 3.5 × 10⁵
@ 100 °C: 595 000
@ 110 °C: 150 000
@ 120 °C: 50 000
@ 130 °C: 14 000
@ 140 °C: 7000
@ 150 °C: 4500
Particle size Analysis:

Method: Laser Granulometric Median diameter: 70 µm

Shelf Life
SSEFT 90-70 can be stored at 20- 25 °C for at least 12 months in the carefully sealed original containers. By storing the powder under higher temperatures (above 30°C) the flow ability can be limited by agglutination of the particles.