

## 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.

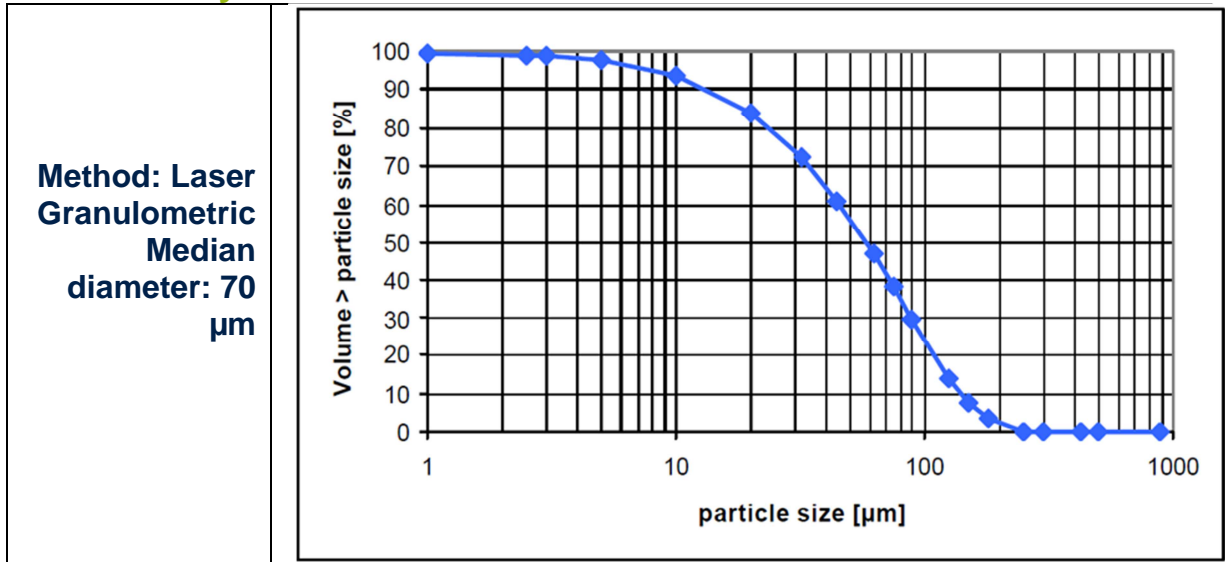
### Property SR PF 90-70

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/m <sup>3</sup>
DSC:	onset = 59 °C 10 °C to 160 °C @ 10 °C/mn

Viscosities (cps):

@ 90 °C:	3.5 10 <sup>5</sup>
@ 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:



### 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.