

SWANCOR 2513

SWANCOR 2513 It is a special curing hand paste resin composed of special epoxy resin main agent and curing agent. It is especially suitable for the processing of fan blades, yachts and large structural products. Its main characteristics and advantages are suitable operating viscosity, adjustable gelation time and good wetness for glass fiber and carbon fiber.

Resin properties

NAME	SW 2513-A	SW 2513-BR	SW 2513-BF	SW 2513-BS	SW 2513-BL
appearance	Clear liquid	Blue-green clarified liquid	Blue clarified liquid	Blue clarified liquid	Blue-green clarified liquid
viscosity(25°C, cps)	2,300~3,200 (LVT#3-30rpm)	65~100 (LVT#1-60rpm)	50~90 (LVT#1-60rpm)	20~60 (LVT#1-60rpm)	5~19 (LVT#1-60rpm)
Flash point(25°C)	>150 °C	>120 °C			
density(25°C, g/cm ³)	1.10~1.20	1.00~1.10	1.00~1.10	1.00~1.10	0.95~1.05
Shelf life (month)	24				
A/BRatio (weight ratio)	100:30±2				
Mixed viscosity (25°C, cps)	-	800~1,000 (LVT#3-60rpm)	750~950 (LVT#3-60rpm)	400~600 (LVT#3-60rpm)	300~500 (LVT#3-60rpm)
Mixed density (25°C, g/cm ³)		1.00~1.20	1.00~1.20	1.00~1.20	1.00~1.20
Heat release peak time* (mins,25°C/100g)	-	15~30	25~40	35~55	300~370

Note: Heat release peak time test, 25°C, 60% constant temperature and humidity box environment, 100g resin mixture

Performance of cast plate

NAME	2513-A/BR	2513-A/BF	2513-A/BS	2513-A/BL	Test method
Tensile strength (MPa)	80~95	70~85	70~85	70~85	GB/T 2567 / ASTM D638 / ISO527
Tensile modulus (MPa)	3,200~3,800	2,800~3,700	2,800~3,700	2,800~3,400	GB/T 2567 / ASTM D638 / ISO527
Elongation at break (%)	>5.0	>5.0	>5.0	>5.0	GB/T 2567 / ASTM D638 / ISO527
Bending strength (MPa)	120~150	110~130	110~130	105~123	GB/T 2567 / ASTM D790 / ISO 178
Bending modulus (MPa)	3,300~3,900	2,900~3,700	2,900~3,700	2,900~3,700	GB/T 2567/ ASTM D790 / ISO 178
T _g (°C)	85~100	77~92	80~95	70~85	GB/T 19466.2/ ASTM D3418/ISO11357-2
HDT (°C)	82~93	75~85	75~85	68~79	GB/T 1634.2 / ASTM D648 / ISO 75-2

Note: Curing condition: room temperature > 16h+808h

store

The main agent and curing agent should be stored in the original sealed bucket and placed in a cool and dry environment at room temperature, away from direct sunlight, can be stored for 24 months.

PACKING

SWANCOR 2513-A In 1000 litre IBC drums weighing 1100kg, or 200 litre iron drums weighing 200kg, and 20 litre square drums weighing 20kg.

SWANCOR 2513-BR、2513-BF、2513-BS、2513-BL In 1000 litre IBC drums weighing 900kg, or 200 litre iron drums weighing 180kg, and 10 litre square drums weighing 9kg.

Secure

In order to provide customers with good safety protection and health information, we especially provide material safety data sheet (SDS) to protect customers' safety concerns in operation. Please follow the Material Safety Data Sheet (SDS) and contact us for more information.

Use

During operation, minimize skin contact with the product and, if permitted, use appropriate tools and wear personal protective equipment to minimize direct or indirect contact. After use, please clean the tools and skin as soon as possible to ensure safety.

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