



RSF 816

EPOXY LAMINATING RESIN
U.V. RESISTANCE - TRANSPARENT TOP-COATING

APPLICATIONS

Designed for producing windsurf boards, surfing boards and any transparent top-coating laminate by wet lay-up methods.

PROPERTIES

Very low viscosity
U.V. resistance

High transparency
Fast curing

PHYSICAL PROPERTIES				
		RESIN	HARDENER	MIXING
Mixing ratio by weight		100	40	
Aspect		liquid	liquid	liquid
Color		transparent blue	colorless	transparent blue
Brookfield LVT viscosity @ 25°C (mPa.s)	-	1,600 - 2,000	40 - 50	400 - 600
Specific gravity @ 25°C Specific gravity of the cured product @ 23°C	ISO 1675-75 ISO 2781-88	1.14 - 1.18 -	0.96 - 1.00 -	- 1.13 - 1.17
Pot life @ 25°C on 500g (min) - RSF 816 without accelerator - With 5 phr of EPOLAM 2020 accelerator (2)	-			25 - 30 10 - 12 (2)

(2) REMARK

For top-coating RSF 816 resin can be accelerated by adding EPOLAM 2020 accelerator : Use 5 phr of EPOLAM 2020 accelerator (5 g of EPOLAM 2020 accelerator in 140 g of mixed resin and hardener).

MECHANICAL PROPERTIES @ 23°C (1)			
Hardness	ISO 868-85	Shore D 15	82
Maximal tensile strength	ISO 527-84	MPa	60
Flexural modulus of elasticity (E _f)	ISO 178-93	MPa	3,200
Maximal flexural strength	ISO 178-93	MPa	115
Elongation at break	ISO 527-66	%	5
CHARPY impact resistance	ISO 179/1D-94	kJ/m ²	15

(1) : Average values obtained on standardized specimens / Curing 16 hours @ 23°C + 16 hr @ 40°C



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THERMAL & SPECIFIC PROPERTIES

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Glass transition temperature	DSC METTLER	°C	
Curing 16 hr @ 23°C + 16 hr @ 40°C			60
16 hr @ 23°C + 16 h @ 80°C			75
Demolding time @ 23°C on laminate (5 plies/glass fabric 290 g/m ²)	-	hr	16

PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :

- ensure good ventilation
- wear gloves and safety glasses

For further information, please consult the product safety data sheet.

STORAGE

Shelf life is 6 months in a dry place and in original unopened containers at a temperature between 15°C and 25°C / (59°F to 77°F).

PACKAGING

RESIN

6 x 1.000 kg
1 x 3.500 kg

HARDENER

6 x 0.400 kg
1 x 1.400 kg

GUARANTEE

The information of our technical data sheet are based on our present knowledge and the result of tests conducted under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON refuse any guarantee about the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The guarantee conditions are regulated by our general sale conditions.