

Polycraft RSF 816

EPOXY LAMINATING RESIN
T_g 75°C

DESCRIPTION

Designed for production of 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				
Composition		RESIN	HARDENER	MIXING
Mix ratio by weight		100	40	
Aspect		liquid	liquid	liquid
Colour		transparent blue	colourless	transparent blue
Viscosity at 25 °C (mPa.s)	BROOKFIELD LVT	1,800	35	500
Specific gravity at 25 °C	ISO 1675 : 1985	1.16	0.98	-
Specific gravity of cured product at 23 °C	ISO 2781 : 1996	-	-	1.15
Pot life at 25 °C on 500 g (min)	Gel Timer TECAM			28
-				

MECHANICAL AND THERMAL PROPERTIES at 23 °C (1)			
Flexural modulus	ISO 178 :2001	MPa	3,200
Flexural strength	ISO 178 :2001	MPa	115
Tensile strength	ISO 527 :1993	MPa	60
Elongation at break	ISO 527 :1993	%	5
Impact strength (CHARPY) <i>Unnotched specimens</i>	ISO 179/1eU :1994	kJ/m ²	15
Hardness	ISO 868 :2003	Shore D1/ D15	82
Glass temperature transition (T _g) Curing - 16hr at 23 °C + 16hr at 40 °C - 16hr at 23 °C + 16hr at 80 °C	ISO 11359 : 2002	°C	60 75
Demolding time @ 23 °C on laminate (5 plies / glass fabric 290 g/m ²)	-	hr	16

(1) : Average values obtained on standard specimens / Curing 16 hr at 23 °C + 16hr at 40 °C

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HANDLING PRECAUTIONS

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

Ensure good ventilation

Wear gloves, safety glasses and waterproof clothes.

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

STORAGE CONDITIONS

*Shelf life is 6 months in a dry place and in original unopened containers at a temperature between 15 and 25°C.
Any open can must be tightly closed under dry nitrogen blanket.*

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.