

DESCRIPTION

Production of composite parts requiring good flame resistance.
EPOLAM 2500 meets the requirements of Eurocopter specifications ECS.2196.20 for interior fittings manufacture and repair.

PROPERTIES

- Reduced toxicity (MDA free)
- Self-extinguishing FAR 25
- Temperature resistance 100 °C
- Good mechanical resistance

PHYSICAL PROPERTIES				
Composition		RESIN	HARDENER	MIXING
Mix ratio by weight		100	22	
Mix ratio by volume at 25 °C		100	29	
Aspect		liquid	liquid	liquid
Colour		light beige	light amber	light beige
Viscosity at 25 °C (mPa.s)	BROOKFIELD LVT	12,000	110	3,500
Specific gravity at 25 °C	ISO 1675 : 1985	1.28	0.96	-
Specific gravity of cured product at 23 °C	ISO 2781 : 1996	-	-	1.21
Pot life at 25 °C on 500 g (min)	Gel Timer TECAM			90

MECHANICAL PROPERTIES at 23 °C (1)			
Flexural modulus	ISO 178 :2001	MPa	3,900
Flexural strength	ISO 178 :2001	MPa	90
Compressive strength	ISO 604 :2002	MPa	118
Interlaminar Shear Strength (2)	ISO 14130 : 1997	MPa	36
Hardness	ISO 868 :2003	Shore D1/ D15	88
Glass transition temperature	ISO 11359 : 2002	°C	100
Gelation time at 25 °C	TECAM	min	140
Demoulding time at 25 °C	-	hr	16
Hardening time at 25 °C	-	d	4
Coefficient of thermal expansion (CTE)	ISO 11359 : 1999	10 ⁻⁶ .K ⁻¹	50

(1) : Average values obtained on standard specimens / Hardening 16hr at 23 °C + 2hr at 100 °C

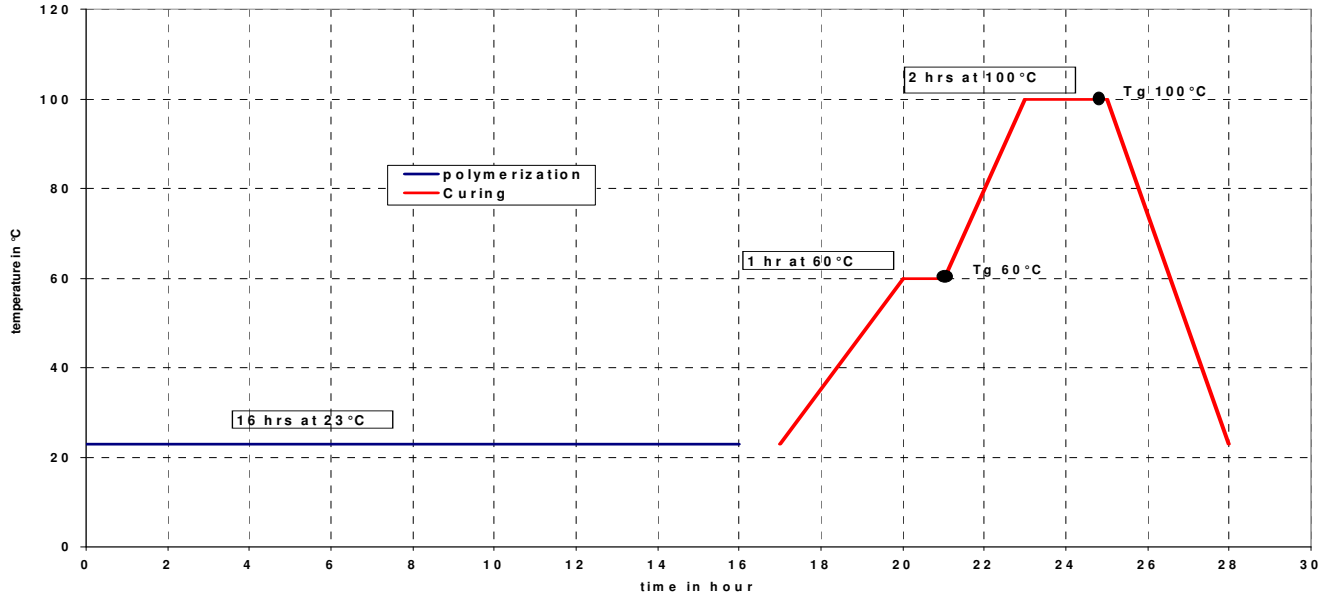
(2) : Test specimen 10 plies of 7781 style glass fabric

PROCESSING CONDITIONS

Stir the resin. Prepare the mixing according to the indicated ratio, then carry out impregnation reinforcement materials using standard lamination techniques.

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CURING CYCLE



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 CONDITIONS

Shelf life is 12 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.

PACKAGING

RESIN	HARDENER
1 x 6 kg	1 x 1.32 kg
1 x 30 kg	1 x 6.6 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