

DESCRIPTION

This system is designed for the production of tools, negatives, casting or concrete.

PROPERTIES

- Low exothermy
- Odourless

PHYSICAL PROPERTIES				
Composition		RESIN	HARDENER	MIXED
Mix ratio by weight		100	12	
Mix ratio by volume at 25°C		100	14	
Aspect		liquid	liquid	liquid
Colour		clear transparent	clear transparent	clear transparent
Viscosity at 25°C (mPa.s)	BROOKFIELD LVT	1,700	60	950
Specific gravity at 25°C	ISO 1675 : 1985	1.14	0.99	-
Specific gravity of cured product at 23°C	ISO 2781 : 1996	-	-	1.17
Pot life at 25°C on 500 g (min)	Gel Timer TECAM			45

THERMAL AND MECHANICAL PROPERTIES at 23°C (1) (2)			
Flexural modulus	ISO 178 :2001	MPa	2.500
Flexural strength	ISO 178 :2001	MPa	90
Tensile strength	ISO 527 :1993	MPa	60
Glass temperature transition (Tg)	ISO 11357 : 2002	°C	65
Hardness	ISO 868 : 2003	Shore D1	86

(1): Average values obtained on standard specimens / Hardening 24 hours at room temperature + 15 hours at 60°C.

(2): These values have been determined on the pure resin (without reinforcement).

PROCESSING CONDITIONS

After mixing according to the indicated ratio impregnate the reinforcements or fillers.

To achieve the final thermal properties, it is imperative to post cure EPOLAM 2002 for 16 hours at 50°C.

For standard applications cure at room temperature.

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

Use before **24 months** according to the manufacturing date. Expiration date indicated on the packaging.

PACKAGING

EPOLAM 2002 RESIN		EPOLAM 2002 HARDENER	
07282	1 x 220 kg	07283	1 x 26.4 kg
07775	1 x 25 kg	07776	1 x 3.0 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