

DESCRIPTION

Production of mock-ups and masters for car, aerospace and marine industries.

PROPERTIES

- Application with an extruder
- Machining possible after 12 hrs whatever the thickness
- Use on vertical support up to 40 mm
- Very smooth grain after machining and sanding
- Low density
- Can be applied on any material (metal, wood, composites, polyurethane or polystyrene foams...)

PHYSICAL PROPERTIES				
Composition		POLYOL	ISOCYANATE	MIXED
Mix ratio by weight		100	86	
Mix ratio by volume at 25°C		100	92	
Aspect		viscous paste	viscous paste	viscous paste
Colour		dark grey	beige	grey
Viscosity at 25°C (Pa.s)	CVO BOHLIN	400	500	-
Specific gravity at 25°C (g/cm ³)	ISO 1675 : 1985	0.76	0.71	-
Specific gravity of cured product at 23°C	ISO 2781 : 1996	-	-	0,90
Pot life at 25°C on 372 g (min)				12

THERMAL AND SPECIFIC PROPERTIES (1)			
Glass transition temperature (Tg) 16h 40°C	ISO 11359 : 2002	°C	50
Coefficient of thermal expansion (CTE) (5°C at 45°C)	ISO 11359: 1999	10 ⁻⁶ K ⁻¹	60 - 70
Linear shrinkage after 7 days - 20 mm thickness - 35 mm thickness	insulating support	mm/m	< 3 < 5
Maximal thickness on vertical wall	-	mm	40

(1) : Average values obtained on standard specimens / Hardening 7 days at 23 °C

HANDLING 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.

MECHANICAL PROPERTIES at 23 °C (1)

Hardness	ISO 868 : 2003	Shore D1 / D15	65 / 62
Flexural modulus	ISO 178 : 2001	MPa	1 200
Flexural strength	ISO 178 : 2001	MPa	20
Flexural strain at flexural strength	ISO 178 : 2001	%	3
Compressive strength at yield	ISO 604 : 2002	MPa	23

STORAGE CONDITIONS

Shelf life of polyol and isocyanate parts is 6 months in a dry place and in their original unopened containers at a temperature between 15 to 25 °C.

Any open can must be tightly closed under dry inert gas (dry air, nitrogen, etc.).

PACKAGING

POLYOL 1 x 33 kg 1 x 140 kg	ISOCYANATE 1 x 28 kg 1 x 120 kg	Internal diameter of drums 360 mm 570 mm
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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