

DESCRIPTION

Machinable slab designed for hi- tech foundry tools, checking fixtures for non abrasive materials, production of models for composites moulds by hand lay up or vacuum bagging process.

PROPERTIES

- Low density
- Excellent surface aspect (direct paint after sanding if needed)
- Very good dimensional stability

PHYSICAL PROPERTIES		
Colour	-	Light grey
Specific gravity of cured product at 23 °C	ISO 2781 : 1996	0,78

MECHANICAL PROPERTIES at 23 °C			
Hardness	ISO 868 :2003	Shore D1	73
Flexural modulus	ISO 178 :2001	MPa	2,100
Flexural strength	ISO 178 :2001	MPa	43
Compressive strength	ISO 604 :2002	MPa	54
Impact strength (CHARPY)	ISO 179/1eU :1994	kJ/m ²	6
Glass temperature transition (Tg)	ISO 11359 : 2002	°C	85
Coefficient of thermal expansion (CTE) (+10 à +60 °C)	ISO 11359 : 1999	10 ⁻⁶ .K ⁻¹	50

ASSEMBLY / FINISH

Prolab 75 tooling board can be bonded with PROLAB GLUE, GC1 050 or H 9951 adhesive when temperature does not exceed 50 °C

For temperature resistance up to the Tg, please use H 8973 or EPOLAM 2025.

Small surfaces bonding and finishing: A77/P mastic or EASYMAX. Use APF7 when temperature resistance is needed.

HANDLING PRECAUTIONS

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

- ensure good ventilation,
- wear gloves, safety glasses and waterproof clothes,
- do not smoke when machining.

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

STORAGE CONDITIONS

The slabs must be stored in a dry and temperate place.

DIMENSIONS

- 1,500 x 500 x 50 mm
- 1,500 x 500 x 75 mm
- 1,500 x 500 x 100 mm

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.