

High Performance Composites

by **Axson**
TECHNOLOGIES

MASTER MODEL

*Shape your ideas
with performing
machinable materials*

AXSON TECHNOLOGIES has decades of formulating history in a variety of epoxy and polyurethane materials used in the construction of Master Models of any shape and any dimension.

With this long experience in demanding applications, AXSON TECHNOLOGIES offers our customers today a selection of the finest and proven products featuring:

- High Dimensional stability
- Excellent mechanical specifications
- Resistance to temperature where needed
- Easy set up and process
- Cost efficiency

AXSON TECHNOLOGIES expands now these high values into many types of activity such as Automotive, Aerospace, Marine and Windmill industries.



ISO 9001



ISO 14001



Low density PU foam

	Application	Specific gravity kg/m ³	Tg °C	Compressive strength MPa	CTE 10 ⁻⁶ k ⁻¹
LABELITE 8 GY	Prototypes, design models, tool-path large dimension, low serie foundry patterns, prototype vacuum forming tools, painted embossed signs, close contour support profiles for extrudable paste, art works (sculptures).	80	115	.70	40
LABELITE 15 IY		150	80	1.60	65
LABELITE 25 YW		250	75	3.80	60
LABELITE 35 OE		350	70	7.00	60

Low density PU boards

	Application	Density	Tg (°C)	Hardness (shore)	CTE 10 ⁻⁶ k ⁻¹
PROLAB 45	NC machining. Sanding, drilling, cutting. Nice surface aspect, all completions.	.45	70	47D	75
PROLAB 65		.65	85	63D	75
PROLAB 75		.75	85	73D	50



Low density Epoxy boards

	Application	Density	Tg (°C)	Hardness (shore)	CTE 10 ⁻⁶ k ⁻¹
LAB 970	Dimensional and thermal resistance. Good surface finish.	.68	80	73D	40
LAB 973		.75	115	73D	35-45
LAB 975		.70	115	75D	35-45

Repair materials & surfacing products for machinable products

H 8973/H 9951	Structural epoxy adhesive for assembling machinable boards.
M 175/M 380/M 390	Epoxy repair mastic. Quick repair and surfacing of extrudable pastes. Same aspect than modelling pastes. Machinable after 4 hours.
EC 85	Hard epoxy surfacecoat. Sprayable with gun, glossy aspect. Lab 970/LAB 973 tool finishing.

Epoxy extrudable pastes

	Application	Density	Tg (°C)	Hardness (shore)	CTE 10 ⁻⁶ k ⁻¹
SC 175	High thermal resistance. Machine extrusion + CN milling, all backups for plug manufacturer.	.63	83	53D	68
SC 380	Good compromise hardness/density/thermal resistance. Good behaviour on vertical support up to 30 mm.	.82	85	67D	60
SC 390	Very good surface aspect. Good behaviour on vertical support up to 30 mm.	1.06	90	75D	55



AXSON TECHNOLOGIES

15, rue de l'équerre - BP 40444 - 95005 Cergy cedex - FRANCE - Tel. (+ 33) 01 34 40 34 60 - Fax (+ 33) 01 34 21 97 87
E-mail: composites@axson.fr

More information and downloads available on the Website: www.axson.com

PARIS FRANKFURT LONDON MILANO BARCELONA BRATISLAVA SHANGHAI NAGOYA DUBAI PUNE DETROIT MEXICO CITY