

DESCRIPTION

Transparent resin for inclusions in thin layer and casting of little transparent models

PROPERTIES

- Low viscosity
- Self degazing
- Non-crystallizing
- Demoulding time : 4 – 24 h depending on temperature and thickness
- High transparency

PHYSICAL PROPERTIES				
Composition		RESIN	HARDENER	MIXED
Mix ratio by weight		100	42	
Mix ratio by volume at 25 °C		100	50	
Aspect		liquid	liquid	liquid
Colour		slightly bluish	transparent	transparent
Viscosity at 25 °C (mPa.s)	BROOKFIELD LVT	1,700	15	200
Specific gravity at 25 °C (g/cm ³)	ISO 1675 : 1985	1.14	0.96	-
Specific gravity of cured product at 23 °C	ISO 2781 : 1996	-	-	1.14
Pot life at 25 °C on 120 g (min)	Gel Timer TECAM			270

PROCESSING CONDITIONS

It is strongly recommended to pour the mixing at a temperature below 25 °C to ensure the maximum quality of transparency and the absence of microbubbles during polymerization.

Collect the resin and the hardener at room temperature (23 °C) respecting mixing ratio by weight or volume.

Mix by hand until complete homogeneity. Then proceed to casting.

SPECIFIC PROPERTIES AT 23 °C

Colour of the polymerized mixing on thickness < 5 mm	-	-	transparent
Colour of the polymerized mixing on thickness > 5 mm	-	-	transparent to light yellow
Tackfree time for 2 mm thickness	-	hour	16 – 20
Demoulding time for 10 mm thickness	-	hour	16
Behavior to UV exposition	-	-	colour more or less yellow
Hardness - after 7 days at room temperature - after 16 hours at 80 °C	ISO 868 : 2003	Shore D1 / D15	82 / 81 82 / 81
Glass transition temperature (Tg) after 16 hours at 80 °C	ISO 11359 : 1999	°C	52

(1) Average values obtained on standardized specimens / Hardening 4h at 80 °C + 16h at 100 °C

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

Shelf life of both parts is 12 months in a dry place and in their original unopened containers at a temperature between 15 and 25 °C

Any open must be tightly closed under dry nitrogen.

PACKAGING

TRANSLUX D 156 RESIN	TRANSLUX D 156 HARDENER
200 KG	227 KG

GUARANTEE

The information contained in this technical data sheet result from research and tests conducted in our Laboratories 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 guarantee the conformity of their products with their specifications but cannot guarantee 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 responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.