

DATA SHEET

**Two Component Casting Polyurethane
LIONBOND™ U70A with Hardener U70B**

LIONBOND™ U70A/B PU materials typically used for vacuuming casting process. With rubber likes properties.

Key Properties

- Withstand moisture well, thus also suitable for thin layers
- High impact resistance
- Flexible
- Excellent resistance of alkalinity

Application

- Foundry Patterns
- Flexible moulds and machinery parts
- Core boxes
- Machinery Parts
- Assembly jigs
- Vibration absorption
- Impact protection
- Abrasion and impact resistant parts
- Rubberlike prototype parts

Physical Property

	UM70A Polyol	UM70B Isocynate
Viscosity, cps	400	300
Density, g/cm ³	1.03	1.07
Color	Amber	Clear
Mix Ration, by Weight	100	32

Processing parameters

1. Prepare dry and clean container and stir stick.
2. Precisely measure the suitable volume separately by polyol and isocynae.
3. Vacuuming separate for 30 minutes.
4. Mixing together and vacuum.
5. Pour into mold.
6. Could be cure under room temperature or with heat.

Physical Properties	Color	-	Ivory
	Potlife, 25°C	-	2-3 Mins
	Curing Condition	25°C	24 Hrs
		80°C-	100 Mins
	Hardness	Shore	A60
	Shrinkage	%	0.3~0.5

Storage The resin and hardener should be stored in a dry place at 5-25 °C.

Precautions Lion's products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper-not cloth towels should be used to dry the skin. Adequate ventilation of the working area is recommended.