



PRO FLEX 30

DESCRIPTION:

Pro Flex 30 Liquid Rubber is a flexible 30 shore A, fast-curing rubber, which has been developed specifically for prototyping and model making applications. It is excellent for casting decorative objects, production parts, tools, models, patterns, duplicate masters and more. With the addition of Poly Colour Dyes, **Pro Flex 30** can be used to cast parts of any colour.

PRODUCT HIGHLIGHTS:

- Very easy to use
- Quick de-mould time
- Good tear strength
- Easily pigment-able
- Can be vacuum cast or hand poured

PHYSICAL PROPERTIES:

Property		Typical Value	Units
Colour	Part A	Clear Yellow	-
	Part B	Clear Yellow/Amber	-
Mix Ratio	By Weight	100A:94B	-
	(By Volume)	1A:1B	-
Specific Gravity	Mixed	1.04	-
Mix Viscosity		1300	cP
Pot Life	(100g @25oC)	15	Minutes
De-mould time	(100g @25oC)	2-3	Hours
Linear Shrinkage		0.0004	
Tensile Strength		675(4.20)	psi (MPa)
Elastic Modulus		N/A	psi (MPa)
Shore Hardness		A30	
Die C Tear Strength		484 (85)	pli (kN/m)
Elongation		950	%

Key Data

Mix Ratio

100 Part A
to
94 Part B

Gel Time

(100g @ 25°C)
15Min

De-mould Time

(100g @ 25°C)
2-3 Hours

Hardness

(Shore A)
30

Colour

Translucent Amber



MOLD PREPARATION:

Pro Flex 30 reproduce minute details from moulds or patterns, but may stick or foam when poured on improperly prepared surfaces. To avoid damaging a valuable mould, perform a trial casting on a similar surface. Polyethylene and platinum silicone rubber (i.e., Platsil®) moulds do not require release agents. Latex, polyurethane rubber or metal moulds must be dry and coated with a suitable release agent, such as Spray Wax or Release Extra

MIXING: Prior to mixing, be sure that all moulds, equipment and Pro Flex liquids are ready at room temperature (i.e., >23°C).

Shake or stir Parts A and B if directed by product label. Over time, sediment may accumulate on the container bottom of **Pro Flex 30**

Part B. Normally, gentle mixing is all that is required to disperse the sediment. Use metal or plastic mixing vessels and spatulas to avoid introducing moisture (i.e., with paper or wood tools). Measure or weigh Parts A and B into a mixing container, such as a polyethylene pail. Mix immediately, thoroughly scraping sides and bottom for one minute. Pour mix into cavity as quickly as possible. Once the containers of Parts A and B are opened, they should be used or resealed tightly since atmospheric moisture contamination may cause foaming. Poly Purge™, a dry-gas product, can be sprayed into opened containers to displace moist air before resealing containers to extend shelf life.

SAFETY PRECAUTIONS:

Use in a well-ventilated area. Avoid contact with skin. Repeated or prolonged contact may cause an allergic reaction.

Eye protection is very important. Always use approved safety glasses or goggles when handling this product

PACKAGING:

1.94kg (1kg A + 940g B, 9.7kg (5kg A + 4.7kg B)

Suitability for Use:

The information in this data sheet is given to the best of our knowledge and belief but without warranty or liability. The user must establish the suitability of the material for the intended application by carrying out any appropriate tests. No liability will be accepted for direct or consequential losses arising from the use of this material.

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