

# Flexil PU 660

## 1. DESCRIPTION

Flexil PU 660 is a two part urethane elastomer which cures at room temperature, to a flexible elastic 60 shore A material.

## 2. ADVANTAGES

- Low shrinkage
- Very flexible
- 50:50 mixing
- Good dimensional accuracy
- Long pot life

## 3. APPLICATIONS

Suitable for mould making where a tough hard flexible material is necessary.

## 4. CHARACTERISTICS

### a) CONSTITUENTS:

	Flexil PU 660 Part A	Flexil PU 660 Part B
Type	Polyol	Isocyanate
Appearance	Liquid	Thick liquid
Colour	Amber clear	Amber clear
Specific Gravity / $\text{gcm}^{-3}$ @20 °C	1.05	1.05
Viscosity / cps		

### b) MIXING:

Flexil PU 660	Pot life / mins	Demould / hours	Full cure / hours @ 20°C
50:50 by weight (or volume)	45	14	60

Note: The above figures are likely to alter if either the working temperature is elevated or if a large amount of product is mixed together in one go.

Flexil PU 660 A + B are not susceptible to settling or separation. However, if the product has been standing for some time, mixing is recommended prior to use.

### c) AFTER CROSSLINKING:

Shore Hardness/A [ASTM D2 240 2mm film]	
Tensile Strength/Mpa [DIN 53504]	
Elongation at break/1% [DIN 53504]	
Tear Strength KN/m [ASTMS D624 Notched Die B]	
Linear Shrinkage	

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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## 5. PACKING

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Available in 10kg kits (ie. 5kg Part A and 5kg Part B).

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## 6. HANDLING & STORAGE

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Good housekeeping is important with this material as with all chemicals. Spillages should be wiped up immediately and containers wiped clean after use. Isocyanate spillage can be especially hazardous and the Safety Data Sheet should be consulted for the correct cleaning up procedure.

Both components absorb moisture, which will detract from obtaining satisfactory product. Exposure to the atmosphere should be minimized and containers sealed as soon as possible after use. Ideally part - used containers should be purged with dry nitrogen before resealing.

Store in the original containers in a dry place at 5-25°C.

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## 7. HEALTH & SAFETY

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*(Refer to Health & Safety Data Sheet)*

Neither component is classified as hazardous according to the CHIP hazard classification.

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## 8. SHELF LIFE

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Flexil PU 660 A + B have a minimum shelf life of six months when stored in the original containers at temperatures between 5-25°.

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