

POLYURETHANE MOLD RUBBER

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PU polyurethane liquid mold rubber is mid-range to firm hardness (Shore A40 – A90), high-performance. They offer superior strength, toughness, and abrasion-resistance that result in durable molds that capture and reproduce exact textures and the finest detail from any model.

Most concrete mixes and polyurethane resins require a suitable release agent.

Vacuum degassing mixed material using a vacuum pump and chamber to remove entrapped air is recommended.

Features

- Two-part polyurethane rubbers
- High hardness A40 – A90, which silicone rubber unable to reach
- Super-strength, 3 times stronger than silicone rubber, high abrasion-resistant, super-tough rubbers
- Reproduces fine details and textures
- Long-lasting, economical
- Ideal for high volume casting applications
- All rubbers can be demolded after ~16 hours

Typical Uses & Casting Materials

Primarily used for high volume casting applications, like Concrete/ cement casting, artificial stone casting, GRC casting, concrete form liners, texture mats and concrete stamps.

PACKAGE:

5kg/metal barrel, 20kg/ metal barrel



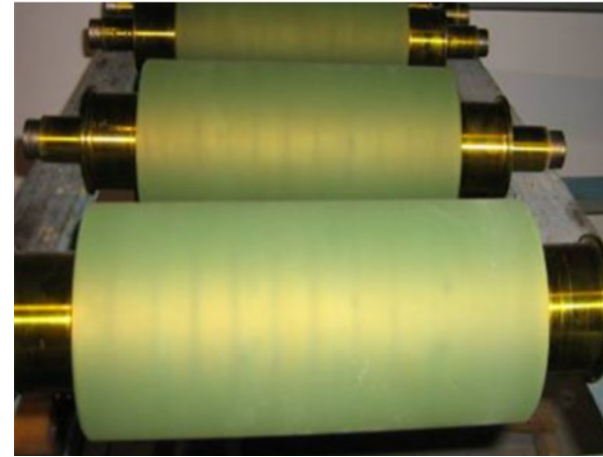
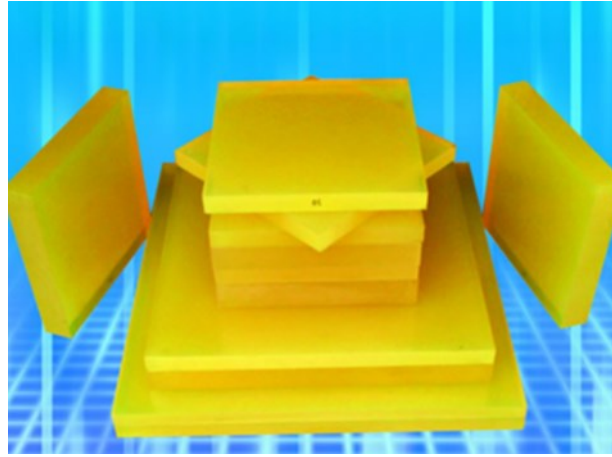
POLYURETHANE RUBBER

PU - Series

PHYSICAL PROPERTIES	PU40	PU50	PU60	PU70	PU80	PU90
Hardness (Shore A)	40A	50A	60A	70A	80A	90A
Mixing ration (by weight)	A:B=100: 40	A:B=100: 50	A:B=1:1	A:B=1.2: 1	A:B=1: 1	A:B=07: 1
Color	Light yellow transparent liquid	Light yellow transparent liquid	Light yellow transparent liquid	Light yellow transparent liquid	Light yellow transparent liquid	Light yellow transparent liquid
Viscosity (cps)	2,000~4,000	2,000~4,000	2,000~4,000	2,000~4,000	2,000~4,000	2,000~4,000
Working time (Mins)	15~25 Mins (adjustable)	15~25 Mins (adjustable)	10~15 Mins (adjustable)	10~15 Mins (adjustable)	10~15 Mins (adjustable)	10~15 Mins (adjustable)
Total Cure time (Hrs)	3~4 hours	3~4 hours	3~4 hours	3~4 hours	3~4 hours	3~4 hours
Tear (N/mm)	30	40	25	30	40	40
Tensile (Mpa)	9.0	6.4	6.5	8	10	12
Rebound rate(%)	47	52	60	55	50	48
Elongation (%)	950	650	700	560	550	500

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20KG



5KG