

NEW POLYURETHANE RESIN FOR CERAMIC INDUSTRY

UR 7863

UR 7863:
The new flexible PUR casting resin
developed for case mould PU
membrane front casting

Your advantages at a glance:

- **LOWER TOXICITY**
 - ◆ No mercury catalyst
 - ◆ No VOC
 - ◆ No MDI
- **FRIENDLY USE**
 - ◆ Mixing ratio 100:50
 - ◆ Low viscosity
 - ◆ Pot life: 20 min
 - ◆ Up to 40 mm thickness
- **EASY PROCESS**
 - ◆ No shrinkage dumps
 - ◆ No moisture sensitivity
 - ◆ Repair on itself
- **COST EFFICIENCY**



UR 7863

PROPERTIES

The Ceramic tooling dedicated material belongs to a coherent and structured new generation of polyurethane (no micro cells), making it more durable on operation as well as comfortable to set up and process.

Color	pink
Mixing ration by weighth	100:50
Viscosity (mPas)	3.000
Aspect of the mixed product	liquid
Density at 23 °C	1,34
Pot life at 25 °C for 150 g	20 min
Demolding time at 25 °C	24 h

Hardness (Shore)	63 A
Tensile resistance (MPa)	3,5
Tear strength (kN/m)	16
Elongation at break (%)	850
Use temperature (°C)	-40 to +70
Maximum casting thickness (mm)	40
Linear shrinkage (sample size: 250 x 50 x 15 mm)	1,00 mm/m

PROCESSING:

Both parts need to be processed at temperatures higher than +18 °C.
 Directly before processing ensure that the polyol is mixed well until both colour and aspect are homogenous.
 Mix the polyol with UR 7801 under the guidelines of the indicated mix ratio until a homogenous aspect is obtained.
 Before casting ensure that both parts and moulds are free from any trace of moisture.

PACKAGING:

UR 7863 POLYOL	UR 7801 ISOCYANATE
1 x 10,00 kg	+ 1 x 5,00 kg

Please always consult the technical data sheet.
 In case of questions regarding processing and auxiliary products, our technical support will be available.

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More information and downloads are available on the website: www.axson.com



**POLYURETHANE
 ELASTOMER**

