

# RESIDUR

RESIDUR is an unfilled blue colored polyol, ready for molding of unexpanded rigid parts of polyurethane, with a hardness of about 70 Shore D. The two-component system RESIDUR - HARDENER MD has an excellent moldability and the resulting elastomer has a compact structure, a very good dimensional stability (1,2% shrinkage after polymerization) and a satisfactory demolding time.

## Implementation

The resin/hardener mixing ratio is 100/50.

The weighing of the two components must be done in the same container, one after another. The ratio mix must be respected as precisely as possible.

This system can be implemented either manually or mixed with an adapted mixer at low speed of 300 rpm.

It is necessary to wait for the cooling of the parts before demolding.

## Reactivity

PARAMETERS	DURATION*
Working time	≈ 1 min 30
Out of sticking time	≈ 2 min 30
Demolding time	≈ 15 min
Full hardening time	≈ 24 h

(\*) measurements made at 20°C on 40 g of mixture



### Characteristics of the polymerized product

Hardness shore D: approx. 70

Density g/L: approx. 1 030

## Characteristics of the components

### RESIDUR:

- Chemical basis: polyols polyether mix
- Color: blue
- Viscosity at 22°C: 500 - 700 mPa.s
- Density at 22°C: approx. 1 030 g/L
- Filler: none.

### HARDENER MD:

- Description: 4,4' diphénylméthane diisocyanate based polyisocyanate (polymeric MDI)
- NCO rating (%): 30 to 31
- Density at 25°C: 1 235 g/L
- Flash point: > to 200°C
- Viscosity at 25°C: 200 to 230 mPa.s
- Color: brown, more or less dark depending on the batches
- Sediments: < to 0.1 %.

## Storage and packaging

The products are guaranteed 18 months if they are stored between 15°C and 25°C in sealed drums in a dry place.

STORAGE	RESIDUR
Plastic drum, 2 kg	REDB R02
Plastic drum, 5 kg	REDB R05

  

STORAGE	HARDENER MD
Plastic drum, 2 kg	DMD 002
Plastic drum, 5 kg	DMD 005

## Customs' codes

RESIDUR	39072020
HARDENER MD	39093100