



## TECHNICAL DATA SHEET

### ImPol 501 CP

**Application:** Impol 501 CP is a formulated polyol, without cyclopentane, to be used in combination with ImIso 370, for the thermal insulation of freezers and refrigerators. cyclopentane should be added to ImPol 501 CP before use. ImPol 501 CP can be used with cyclopentane as blowing agent with the same formulation as well.

#### Specification And Typical Properties

Viscosity at 25°C 1800±100 mPa.s  
Density 1.1 g/cm<sup>3</sup>

#### Processing Conditions And Performance

ImPol 501 CP 100 pbw  
Cyclopentane 7 ± 1 pbw  
ImIso 370 124±1 pbw

**Ratio( Isocyanate/Polyol) 1/15±0.02**

Iso & Polyol temperature 25-30 °C.  
Mold temperature 35-50 °C

#### CUP test (done by hand-mix in the laboratory)

- Material temperature 25 °C  
- Cup weight: - Polyol 100 g  
- Isocyanate 124 g  
- cyclopentane 7 g  
  
- Parameter - Cream time 10±3 sec.  
- Gel time 55±5 sec.  
- Free rise density 25±2 kg/m<sup>3</sup>  
- Tack free time 98±5 sec.  
- Demolding time 8±2 min.

\*Note: The free rise density should not be lower than 22 kg/ m<sup>3</sup>.



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**Shelf life** Shelf life is guaranteed for 6 months.

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**Safety information** Please pay attention to the safety data sheet.  
It is advisable to the fact that in case of not covered polyurethane the surface may obtain traces in starting and successive products which are e.g. dangerous to health or have irritating, cauterizing and/or sensitizing properties.

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**Preparation** Before using, this polyol has to be mixed very well.

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**Packing** ImPol 501 CP will be delivered in 200 kg net drums.

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**Storage** ImPol 501 CP can be stored 6 months, if storage in moisture-tight drums. Recommended storage temperature: between +15 °C and +25 °C.