

# PP0420

## References :

**Diffusing additive: PP0420**

## Definition :

Additive creating a light diffusion effect, making the clear PU resins whiter while maintaining the light permeability of the final part.

Compatible with:

- PRC1810-PRC1819
- PRC1710-PRC1719
- PRC120

## Physical properties of the component :

|   | <b>Diffusing additive PP0420</b> |
|---|----------------------------------|
| <b>Aspect - Colour</b>                        | White to beige thick paste       |
| <b>Density at 25°C</b><br>According to MO-032 | 2,3                              |

## Application properties :

In order to maintain the final properties of the clear resins, the diffusing additive is involved in the system polymerisation. Rehomogenise the product before use.

Depending on the selected resin, an adjustment of the mixing ratio has to be realised, according to the rate of applied diffusing additive to get the expected aspect and effect. The below chart shows the maximum of recommended rate in the clear resins.

## Evolution of the mixing ratio according to the selected resin :

|                        | <b>Polyol</b> | <b>Diffusing additive</b> | <b>Isocyanate</b> |
|------------------------|---------------|---------------------------|-------------------|
| <b>PRC1810-PRC1819</b> | 56            | 0                         | 100               |
|                        | 50            | 10                        | 100               |
| <b>PRC1710-PRC1719</b> | 60            | 0                         | 100               |
|                        | 55            | 10                        | 100               |
| <b>PRC120</b>          | 100           | 0                         | 102               |
|                        | 93            | 10                        | 102               |

It is recommended to realise a pre-mix of the diffusing additive with the polyol component of the selected resin. Then use this premix product as the standard product, and by applying the new mixing ratio.

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**Hygiene and safety instructions for using :**

Wearing appropriate safety clothes and accessories (gloves, glasses and mask) is highly recommended.  
Work in a ventilated room.  
For more information, please read the Medical and Safety Data Sheet of the material.

**Packaging :**

PP0420 : Metallic box of 0,5 kg

**Storage :**

2 years in the original and unopened container, stored between 5 and 30 °C and kept away from moisture and UV-radiation.

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