

## Cizopan WR

**Cizopan WR is a catalyst for the weight reduction process of Polyester fabrics. It accelerates the weight reduction of Polyester and its blends by Caustic Soda.**

The use of **Cizopan WR** results in even, as well as a higher degree of, weight reduction. Thus, the treated fabric has more weight reduction and a better, silkier feel compared to the standard process.

The degree of weight reduction achieved depends upon the concentration of Caustic Soda, the temperature maintained during the process and the duration of the process. **Cizopan WR** helps in reducing the duration of the process, the Caustic Soda concentration and the temperature.

### Salient Features:

- Catalyst for weight reduction of Polyester fabric with Caustic Soda
- Weight reduction of Polyester can be achieved at low temperature and at low concentration of Caustic Soda
- Uniform results obtained

**Cizopan WR** is available in 3 concentrations and these are recommended for different uses, as mentioned below: -

<b>Cizopan WR</b>	For shirtings and dress materials
<b>Cizopan WR Conc.</b>	For Polyester suitings and heavy materials
<b>Cizopan WR Highly Conc.</b>	For Polyester suitings which are subjected to weight reduction at low temperatures (85°C – 100°C) and low Caustic Soda concentration (8 – 10 g / l)

### Physical Properties

Ionic Nature	Cationic
pH (of 10% solution)	6.5

### Application Details

**Cizopan WR** is recommended to be used in a dosage of **1 – 3 g / l** or **2 – 3 %** on the weight of the fabric along with 10 – 20 g / l of Caustic Soda in a Jigger or Jet Dyeing machine at a temperature of 90°C – 120°C for 45 to 60 minutes.

**Cizopan WR** is useful in achieving the desired level of weight reduction of Polyester fabrics which cannot be subjected to high temperatures and which cannot be treated with a high concentration of Caustic Soda.

*\*The weight reduction of Polyester fabrics while using **Cizopan WR** is highly accelerated. Hence, the concentration of the Caustic Soda, the duration of the process and the temperature should be assessed by trial before bulk production.*

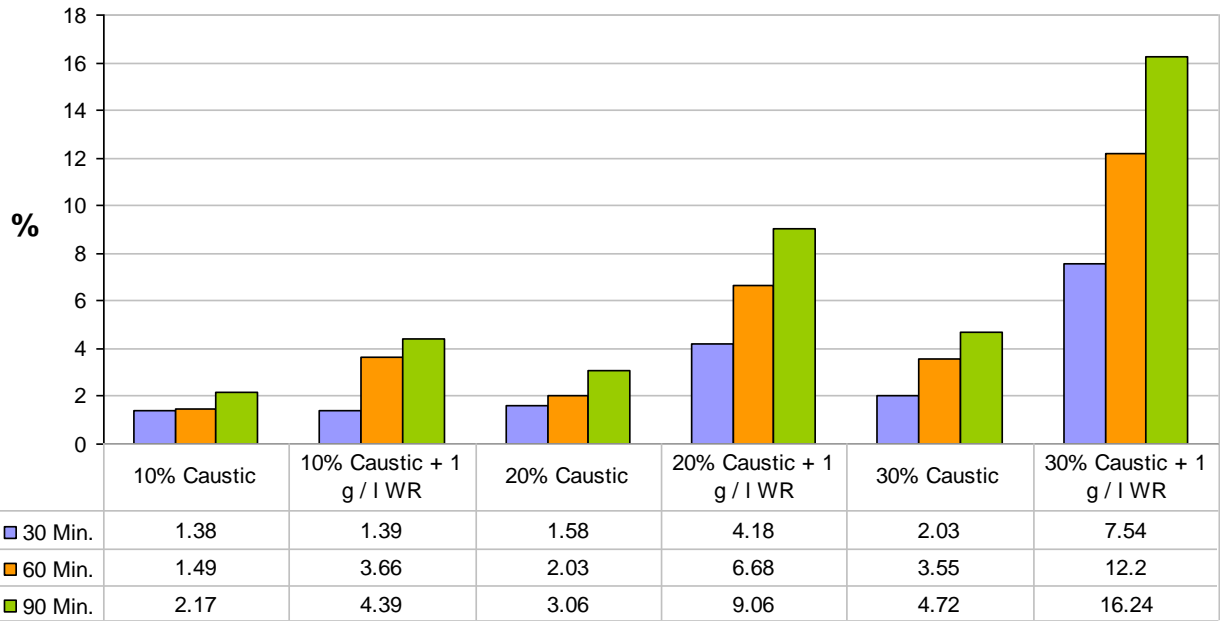
*Excessive weight reduction may result in loss of tensile strength, slippage, etc.*

**Note:** Suggestions and data given are reliable to the best of our knowledge. They are intended to advise you and offered in good faith, but without assuming any responsibility whatsoever for any results obtained by the use of our products.

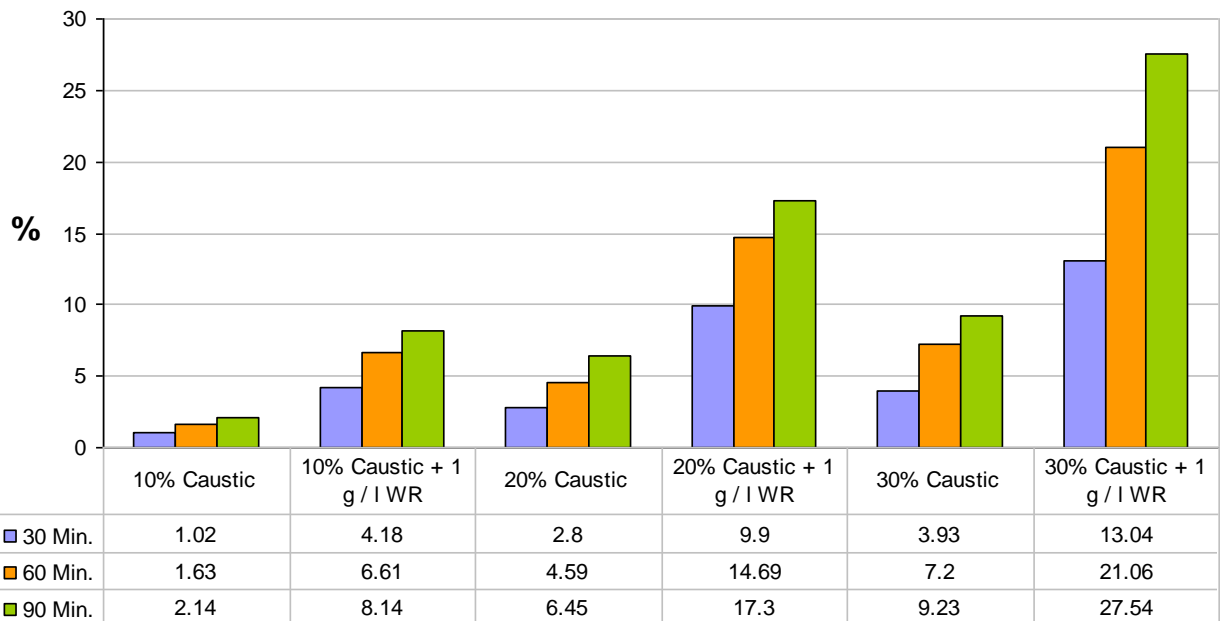
**Cizopan WR**

Data of weight reduction trials using **Cizopan WR** v/s weight reduction by the standard process, illustrating the effect of temperature, concentration of Caustic Soda and duration of the process are enclosed for your perusal.

**Weight Reduction at 90°C**

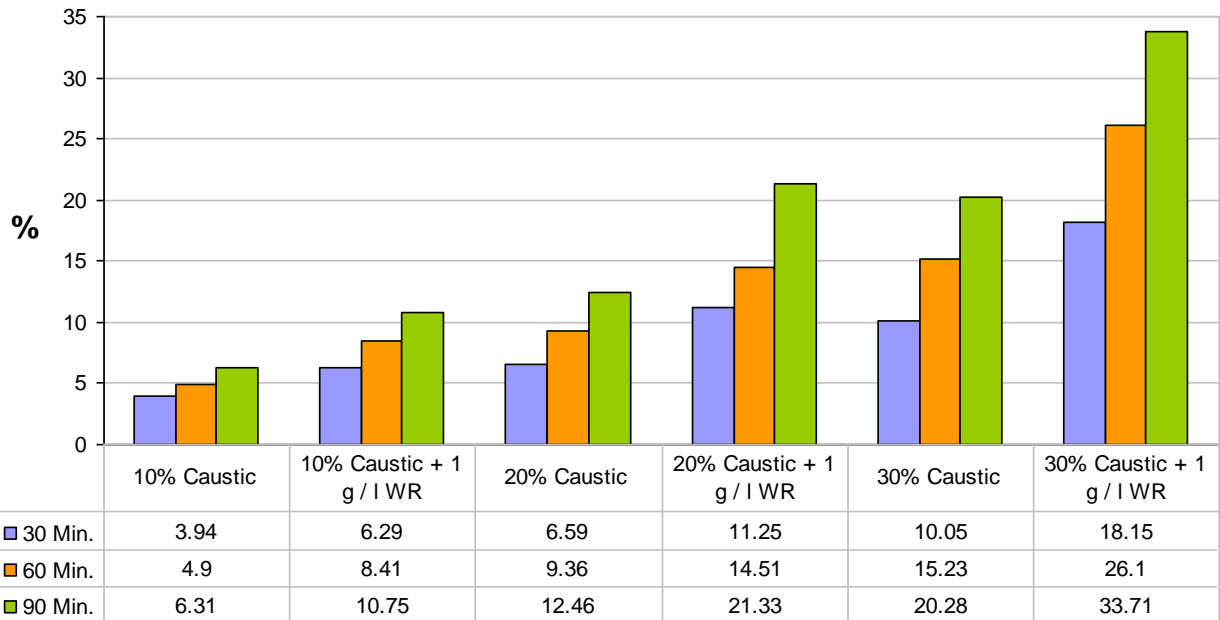


**Weight Reduction at 100°C**

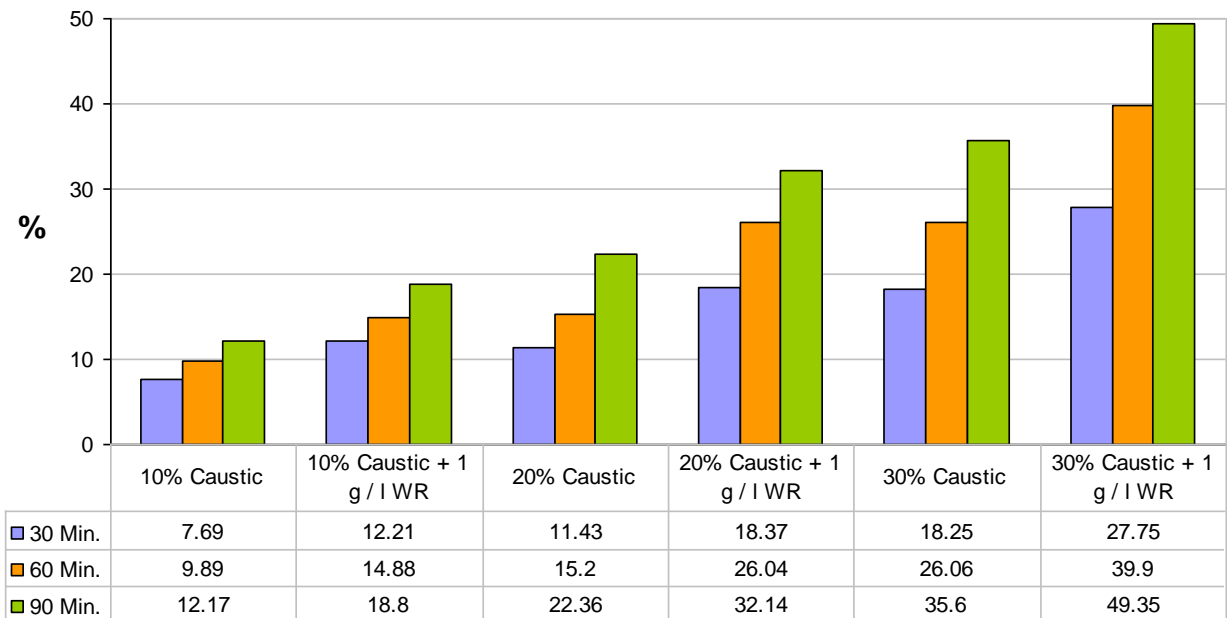


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### Weight Reduction at 110°C

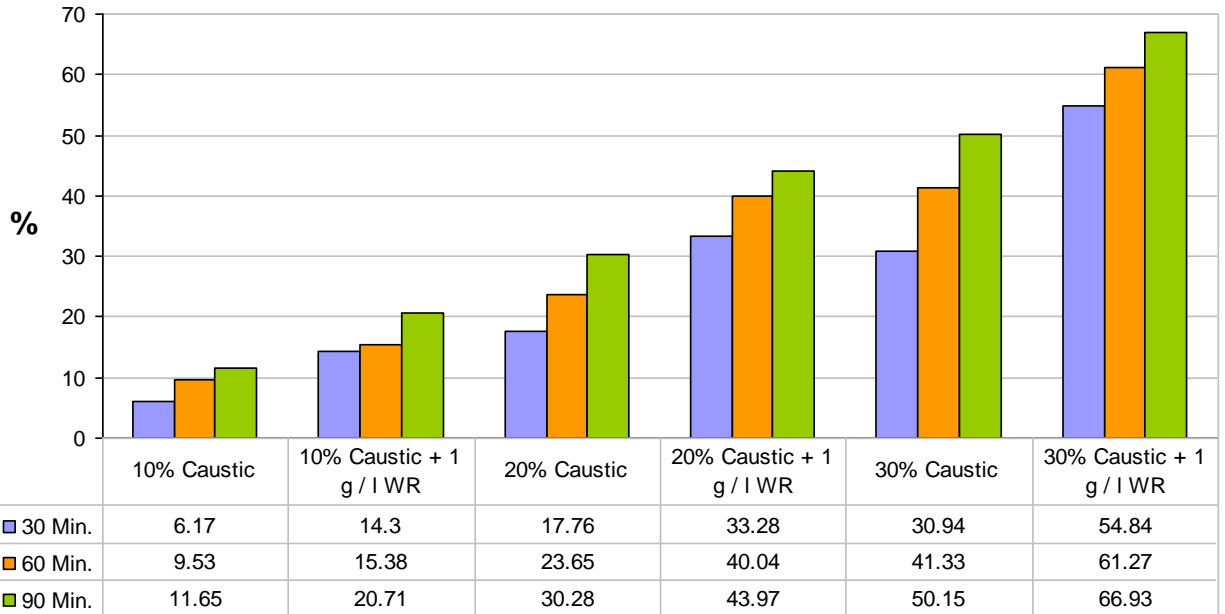


### Weight Reduction at 120°C

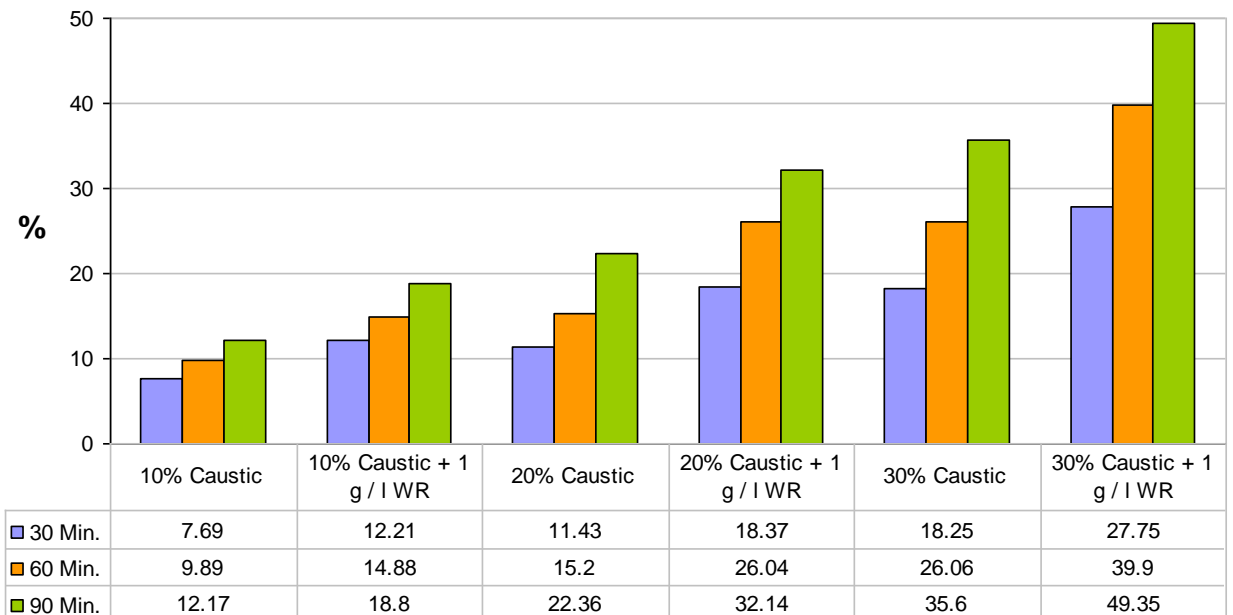


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**Weight Reduction at 120°C on 80 Denier**

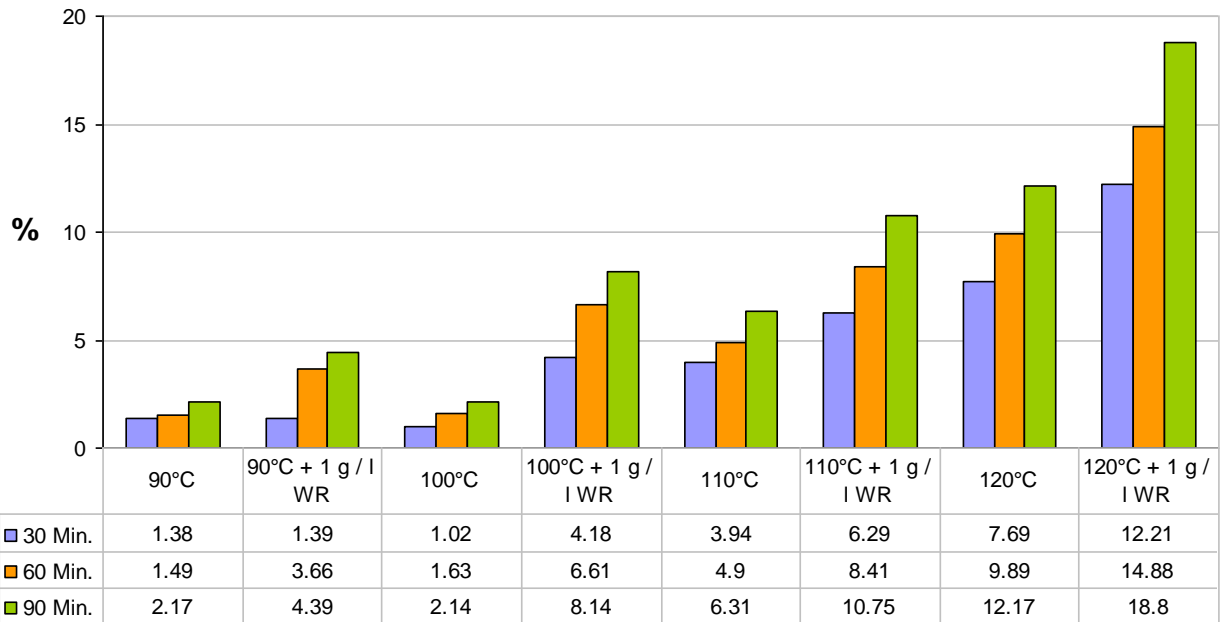


**Weight Reduction at 120°C on 150 Denier**

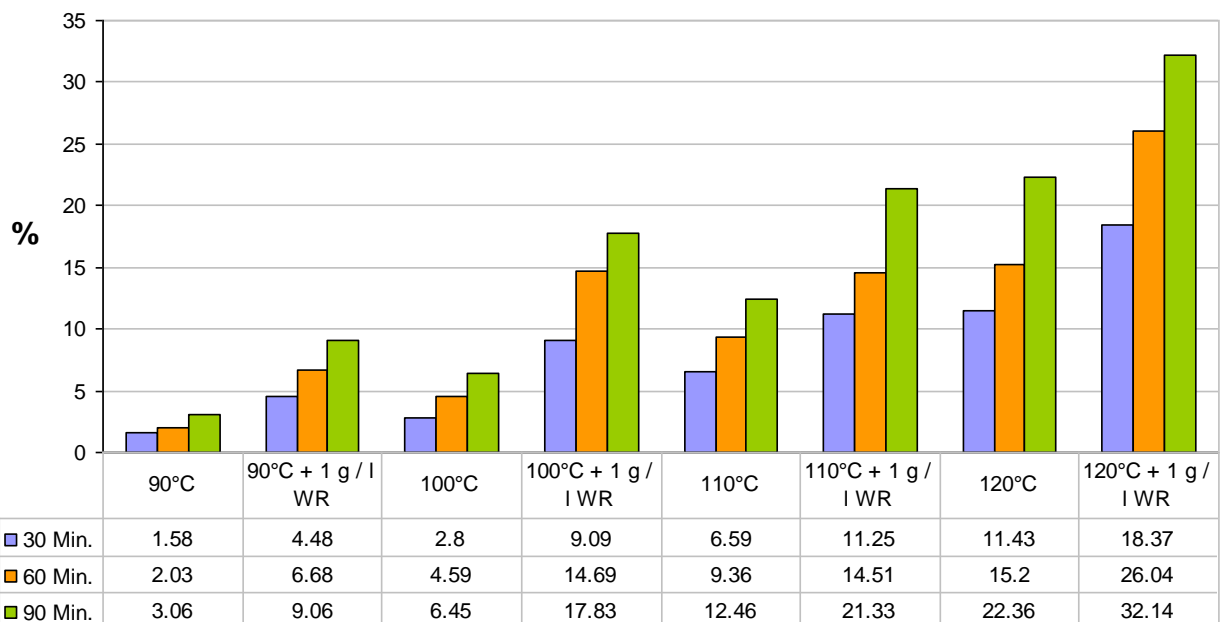


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**Weight Reduction with 10% Caustic**



**Weight Reduction with 20% Caustic**



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