

# ASUPRET UT

## TECHNICAL DATA SHEET

### DESCRIPTION

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ASUPRET UT is an aqueous dispersion of a modified polyurethane for permanent finishes with a very soft, elastic handle. For wool and blends applied also as anti-felting agent.

### STANDARDS

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- bluesign® approved
- ZDHC Gateway Level 3
- According to GREEN TO WEAR SUPPORTING DOCUMENTS by INDITEX Group, valid at the date of issue of this document (see footer), this product does not need chemical testing because it meets the requirements of Option 2 – ZDHC Gateway Chemical Module.

### SCOPE OF APPLICATION

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- Applicable as unshrinkable and wrinkle free finishing for knitwear or Viscose satin.
- Recuperation or improvement of elasticity in PA, PA/PU fabrics.
- Permanent anti-felting performance

### PROPERTIES

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- Formaldehyde free.
- Soft handle.
- It improves elasticity and recuperation.
- Antipilling.
- Good anti-static and absorbency effect.
- Dry and wet washing fastness.
- Auto cross-linking.
- High efficiency in anti-felting application.

### CHARACTERISTICS

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<b>Appearance and colour</b>	Colourless to slightly yellowish liquid.
<b>Composition</b>	Modified Polyurethane in aqueous dispersion.
<b>Ionic character</b>	Amphoteric. It can react as anionic.
<b>pH at 100 g/L</b>	5 ± 1

The indications given herein correspond to practical experiences. Owing to the differences in local conditions they cannot claim to be complete, so that any liabilities –also with a view to claims of third parties – are excluded.

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## CHARACTERISTICS (cont.)

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<b>Solubility in water</b>	In cold water at any ratio.
<b>Compatibility</b>	Good with cationic and non-ionic additives, with anionic preventive stability trials are advisable
<b>Stability:</b>	
<b>Weak acids</b>	Good
<b>Weak alkalis</b>	Good
<b>Storage</b>	Good between 0 and 40°C. The product freezes under 0°C but can be used as normal if it is thawed carefully. At temperatures above 40°C the stability may be reduced substantially.

## APPLICATION

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### *Unshrinkable finish "easy care" on knitted fabrics of cotton and its blends:*

0-50 g/L	ASUPRET GSF 70
80-35 g/L	ASUPRET UT
20-30 g/L	ASUMIN PE NUEVO
15-35 g/L	ASUMIN MICRO H
or	
5-25 g/L	BASE ASUMIN SINI/P
	Pad, dry and cure 2 minutes at 150°C

### *Comfortable finish on PES and its blends:*

30-50 g/L	ASUTOL SR
10-20 g/L	ASUPRET UT
2-3 g/L	BASE ASUMIN SINI/P
	Pad, dry and cure 1 minute at 160°C

### *To improve abrasion fastness:*

30-60 g/L	ASUPRET UT
15-30 g/L	ASUMIN PE NUEVO
	Pad, dry and cure 1 minute at 150°C

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Finishing of textiles for outer garments made of wool or cotton and their blends with synthetics fibers:

100 g/L	ASUPRET UT
40 g/L	ASUPERLE NI ECO/6
	Dry and cure 2 minutes at 160°C

Anti-felting:

20 – 50 g/L	ASUPRET UT
2 – 5 g/L	Sodium bicarbonate
	Pad, dry and cure at 160°C.

Product is over-dyeable, therefore it can also be applied before dyeing process.



ASUPRET UT meets the bluesign® criteria

- Complies with the strict ecological and toxicological requirements of the bluesign® criteria
- Properly applied it allows a production with a minimum impact on people and the environment
- Basis for bluesign® approved textiles and accessories

For more information visit [www.bluesign.com](http://www.bluesign.com)

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