Aristoflex® Velvet

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Uncover the
SECRET CODE
OF BEAUTY

Public

Clariant
BU ICS Personal Care
30.10.2013

what is precious to you?

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Consumer Insights: Luxury wanted

Source: Euromonitor

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What is Aristoflex® Velvet ?

INCI: Polyacrylate Crosspolymer-11

Features

- 100% active powder
- Preservative-free
- EO / PEG- free
- Pre-neutralized
- Ready to use, easy to incorporate & disperse

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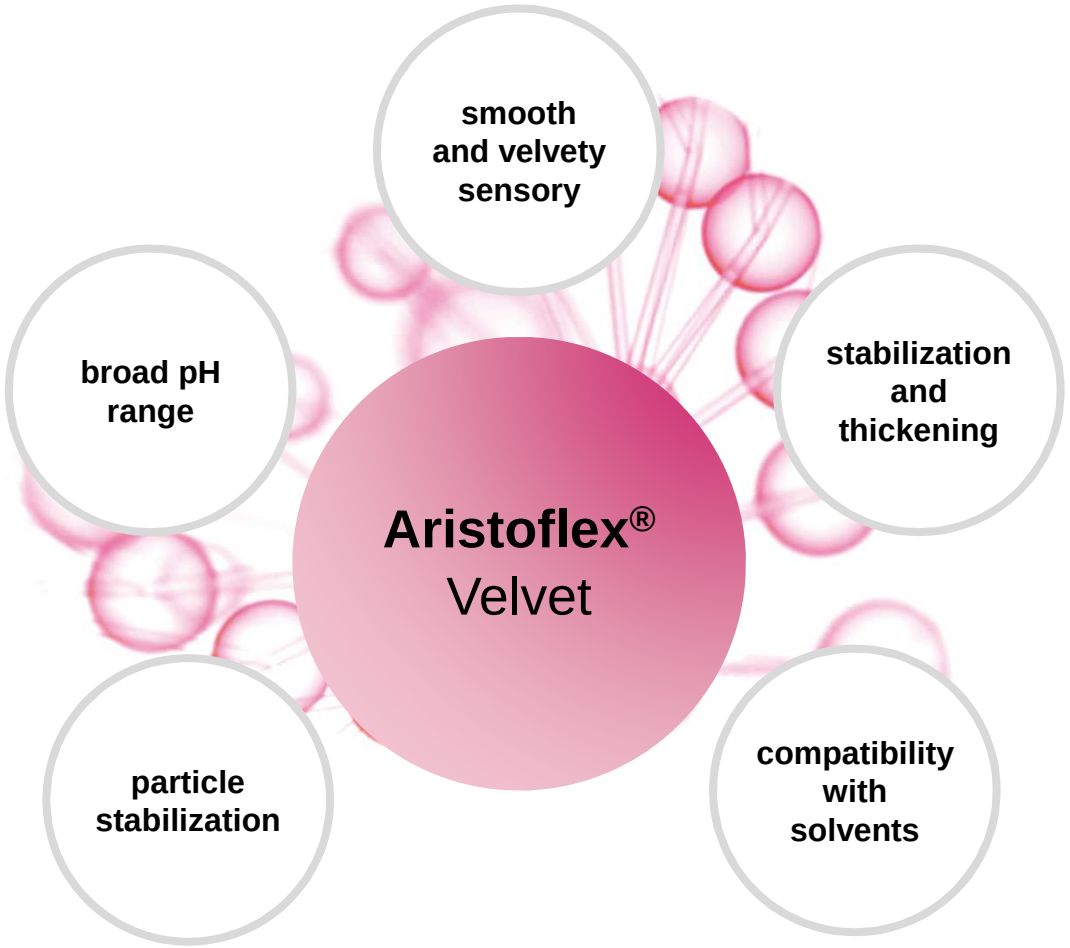
Aristoflex® Velvet offers unique benefits in a wide range of applications



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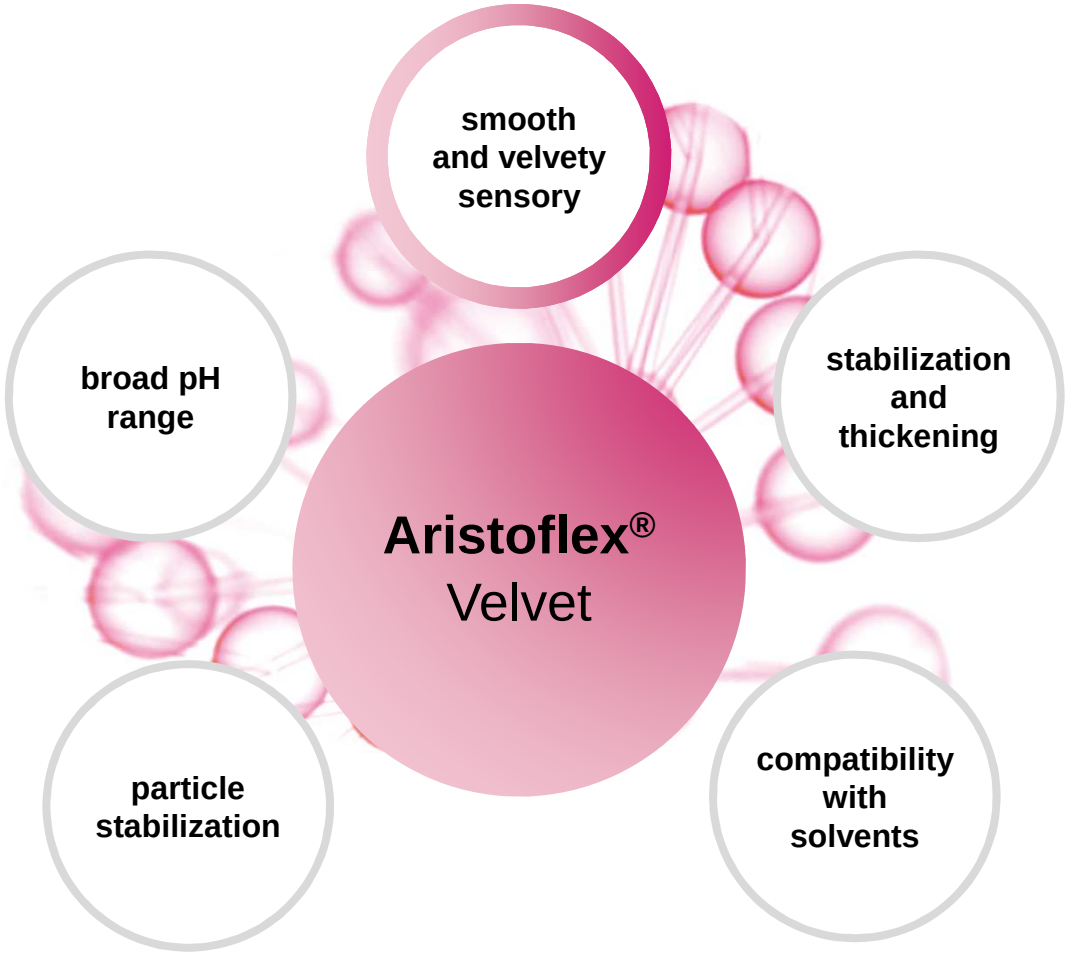

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Aristoflex® Velvet delivers a superior sensory profile

smooth and velvety sensory

Soft and Smooth skin feel
during application and rub in

Leaves skin feeling **soft and moisturized**
– due to slower breaking effect

Homogenous distribution on skin

Diminishes sticky skin feel, even in presence of high glycerin content (up to 9%)

Delivers nice shiny and glossy emulsions
providing excellent spreadability

Our focus is sensorics

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Suitable for a broad range of formulations

smooth and velvety sensory

Emulsifier-Free Cream Gels

Pampering, quick absorbing, velvet skin feel in a light emulsifier-free gel

Day & Night Creams

A pleasant velvety, pampering daily care cream, with a small play time, light cushioning effect, and easily absorbing without leaving any sticky residues on the skin.

Anti-Aging Creams

A rich, nourishing cream leaving a pleasant soft and velvet skin feel.

Balms, Serums, Lotions

Light, fast absorbing balms, with a pleasant velvet skin feel

Facial Toner

Soft, velvety feeling, effective skin balancing and cleansing with a soothing effect

Cleansing Milks

Mild, soft cleansing with a velvet after feel

Soothing Hand Sanitizer

Effective performance; not drying to the skin. Skin feels well cared for after application

Nail Polish Remover

Effective performance due to high amount of solvents, also with stabilized particles

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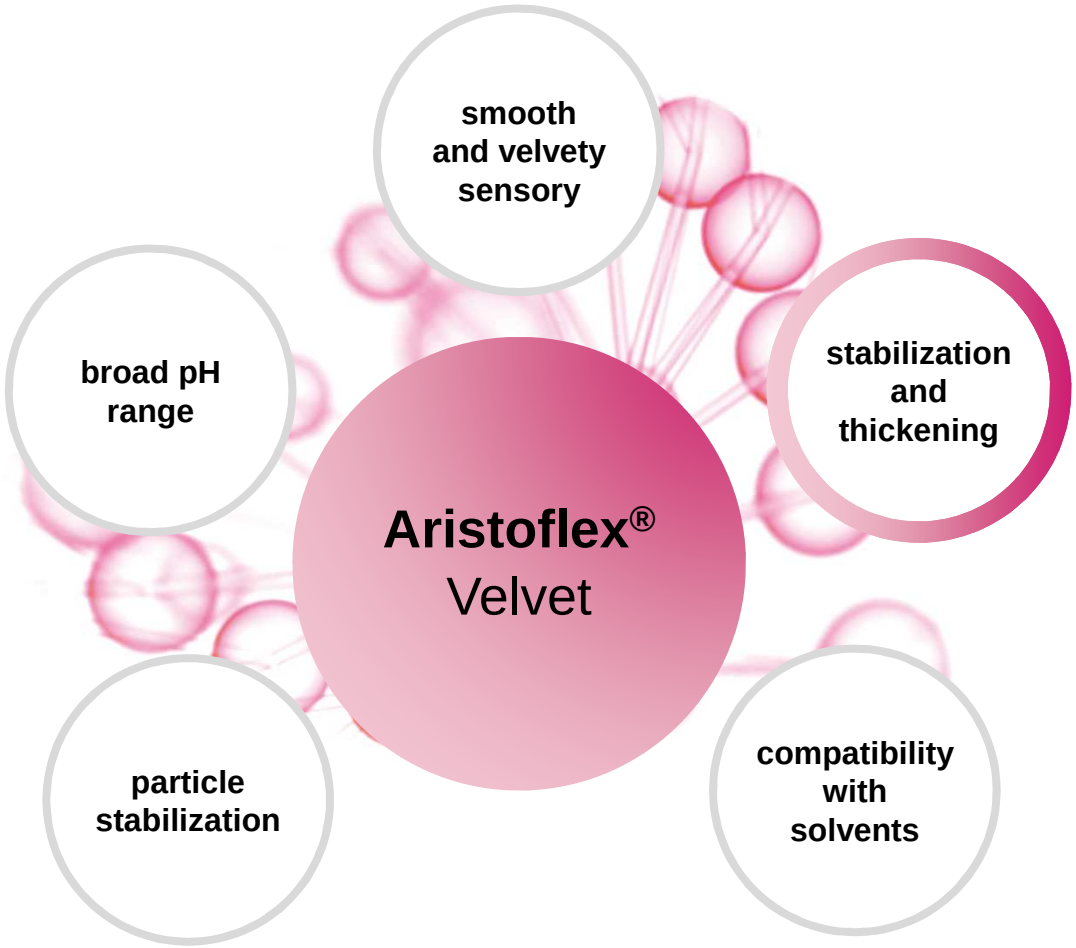

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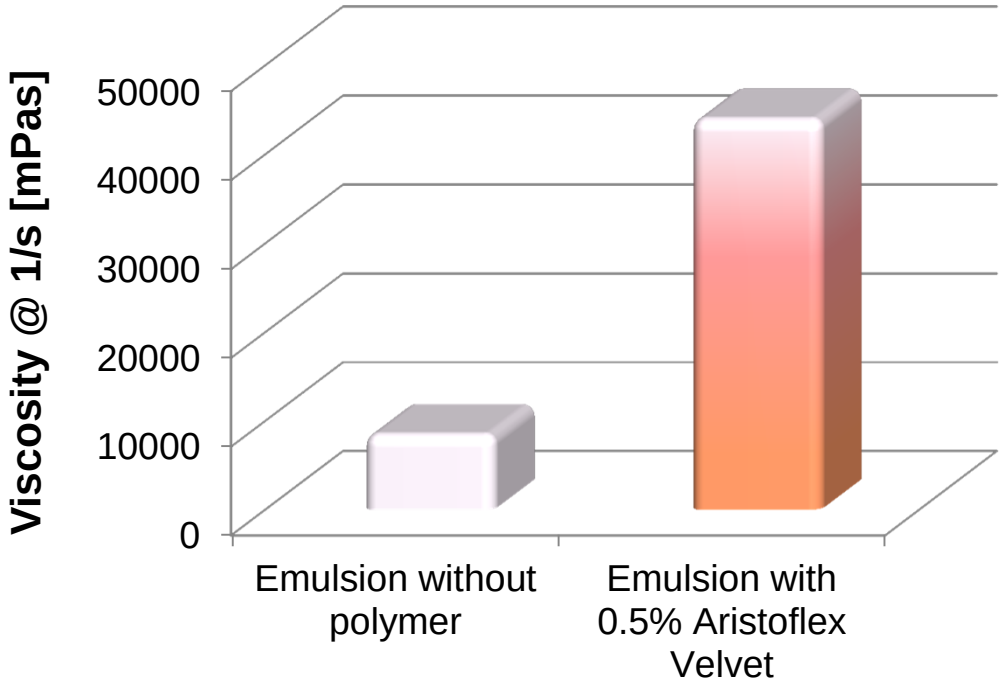
Good thickener and texturizer for oil-in-water emulsions

stabilization and thickening



Gives pleasant texture and body with good spread ability.
Gently melts while applying and then leaves skin feeling soft and velvety.

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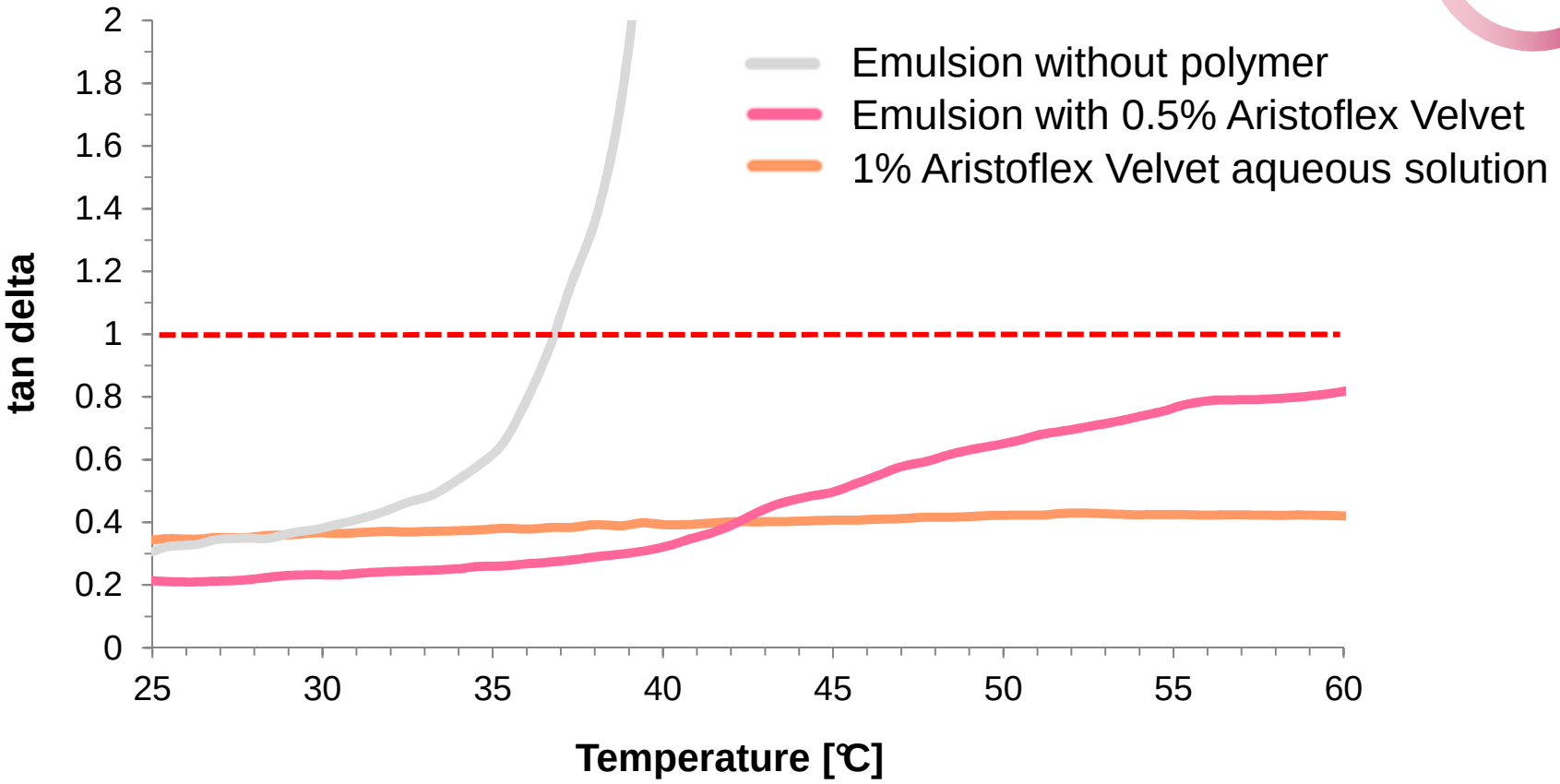
Excellent stability at high temperature

stabilization and thickening



Aristoflex® Velvet shows excellent high temperature stability in formulations

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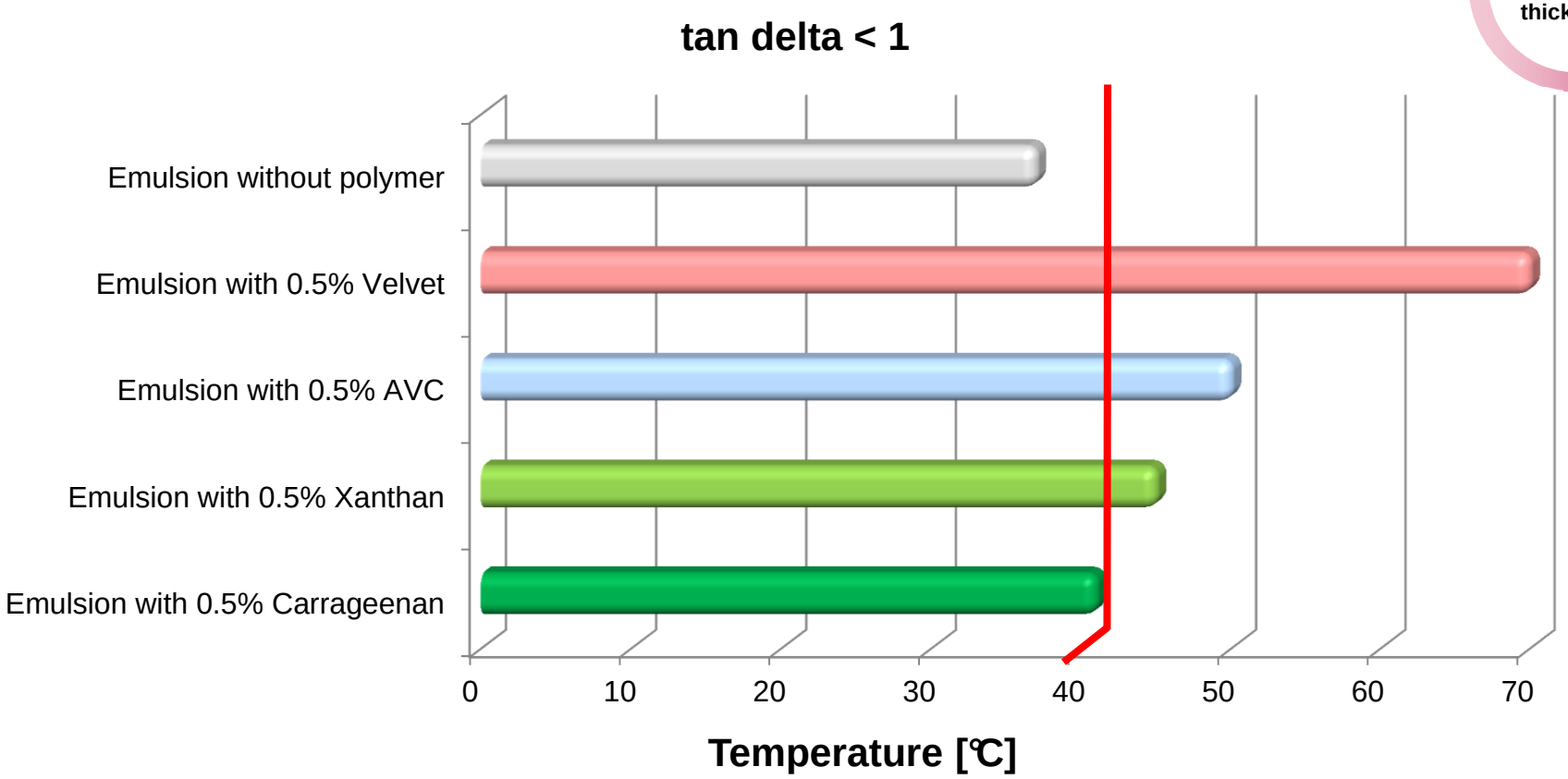
Excellent stability at high temperature

stabilization and thickening



Aristoflex® Velvet supports high temperature stability in formulations

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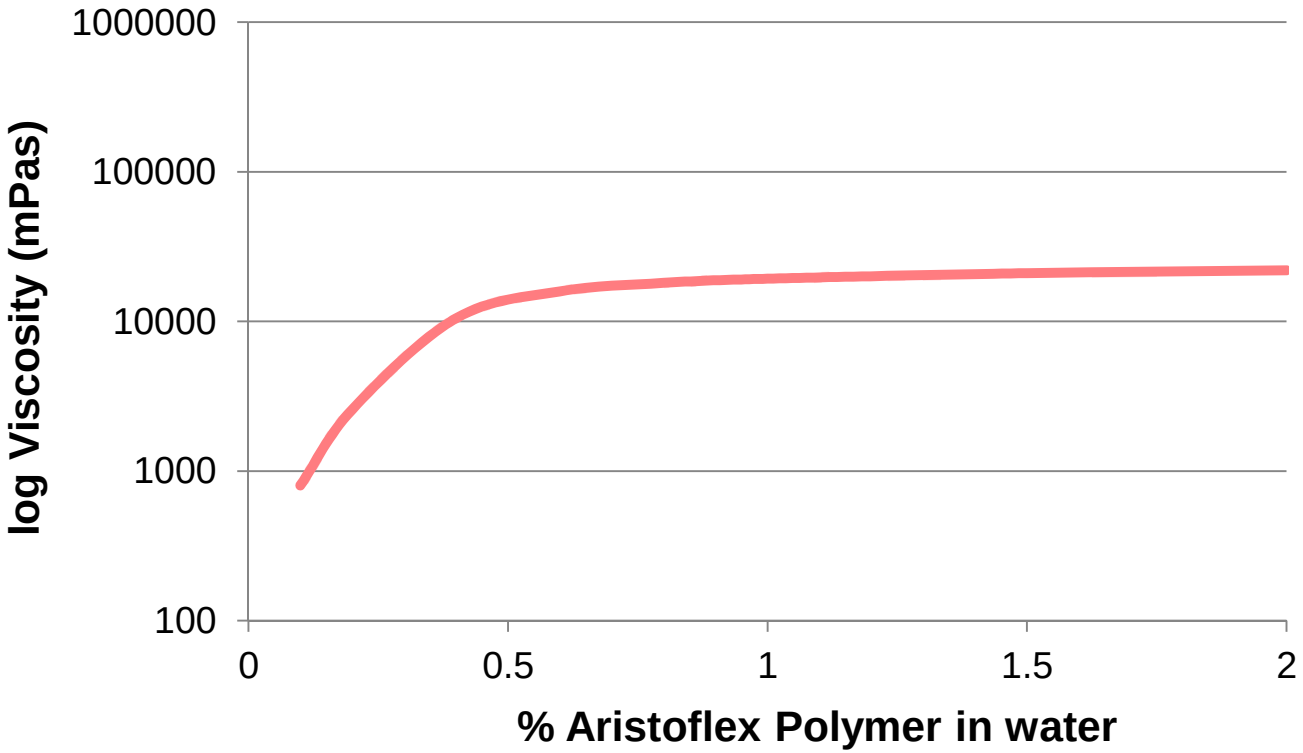
Viscosity in aqueous solutions



stabilization and thickening

1% aqueous
Aristoflex Velvet Gel

Aristoflex® Velvet is a good gelling agent for aqueous systems with an elegant rheology with a smooth and velvet skin feel

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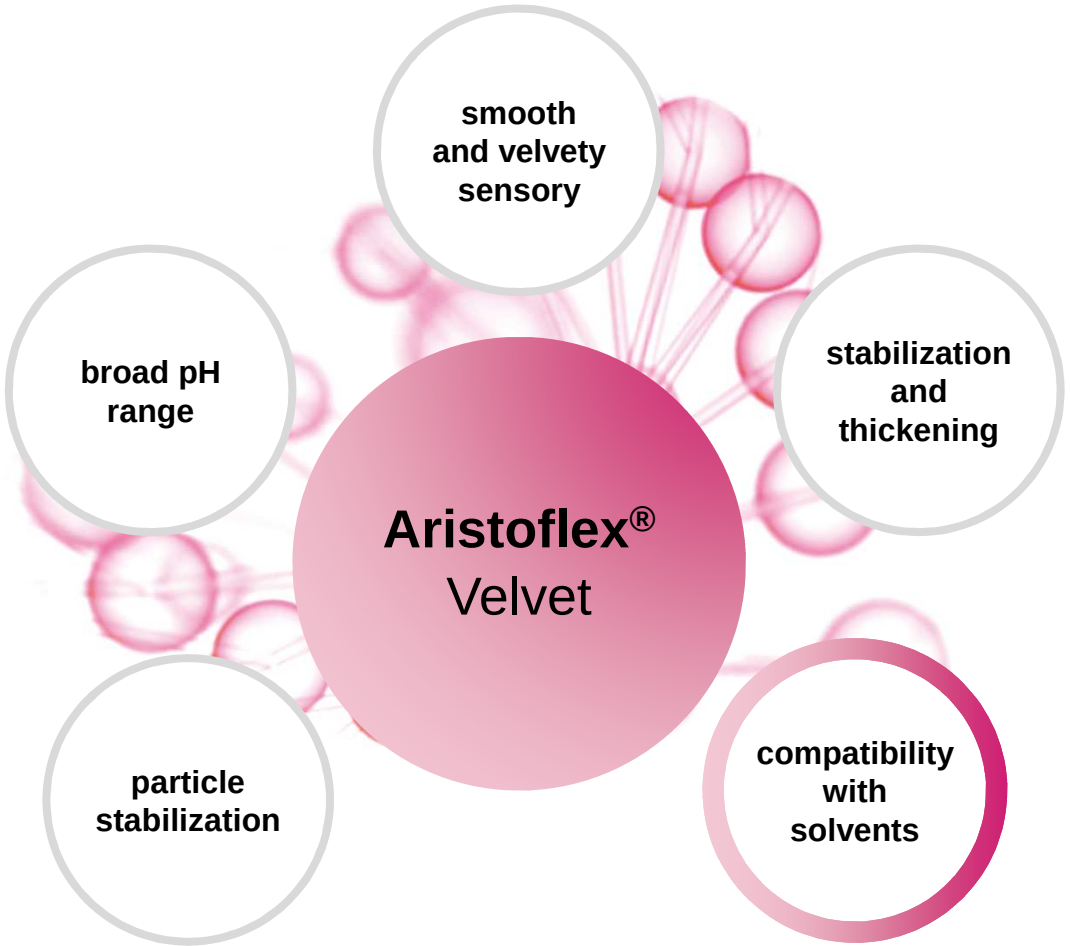

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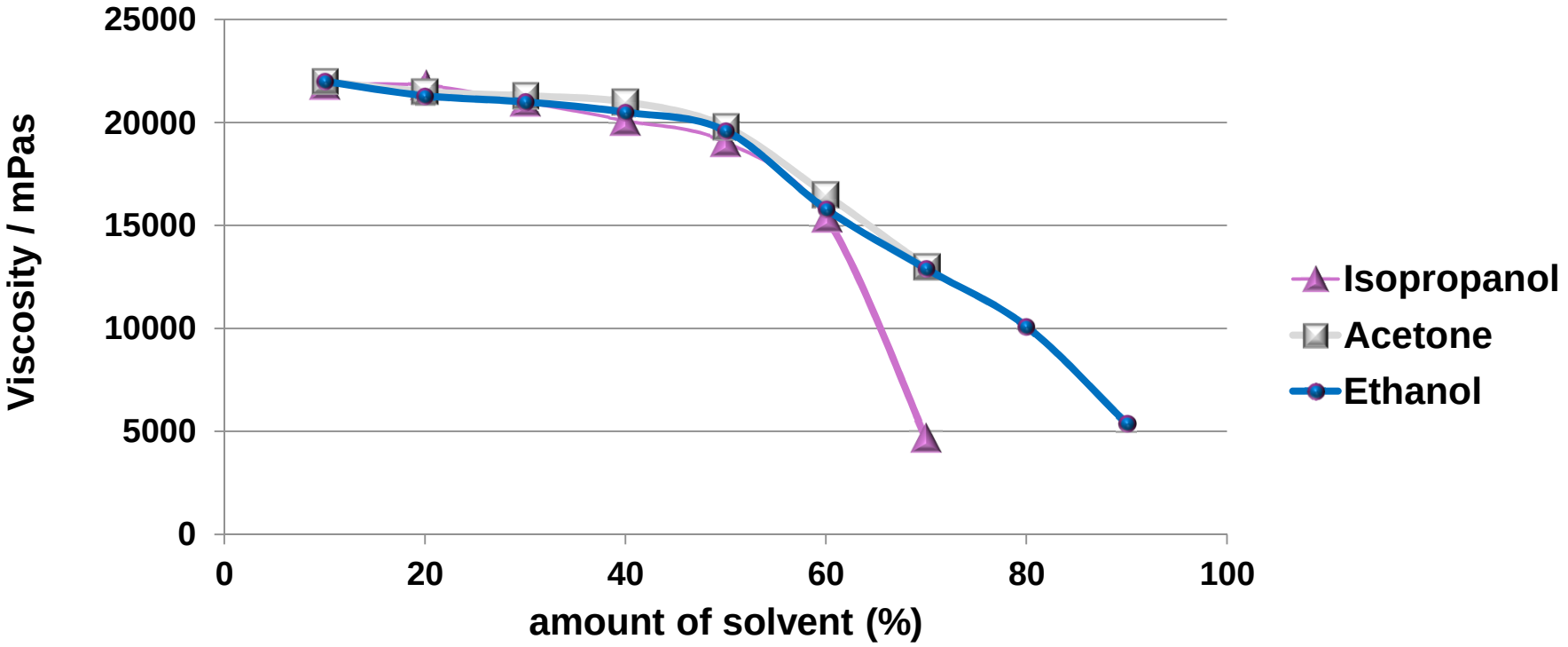
Compatibility with Organic Solvents

compatibility with solvents

Viscosity of 1.0% aqueous Aristoflex® Velvet solution in combination with isopropanol, acetone and ethanol



Excellent compatibility with high amount of organic solvents

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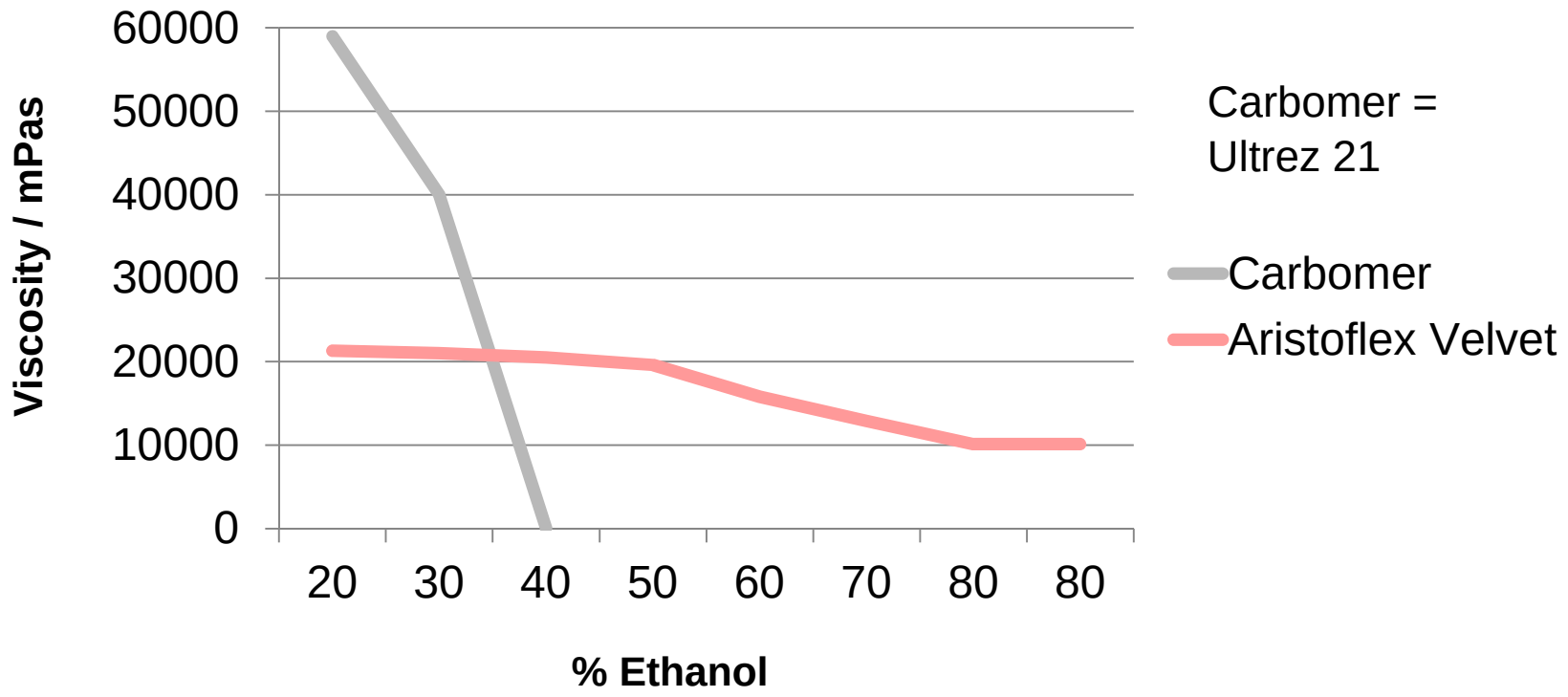
Compatibility with Organic Solvents

compatibility with solvents

Comparison: Aristoflex® Velvet versus competitor



Excellent compatibility with high amount of ethanol compared to Carbomer

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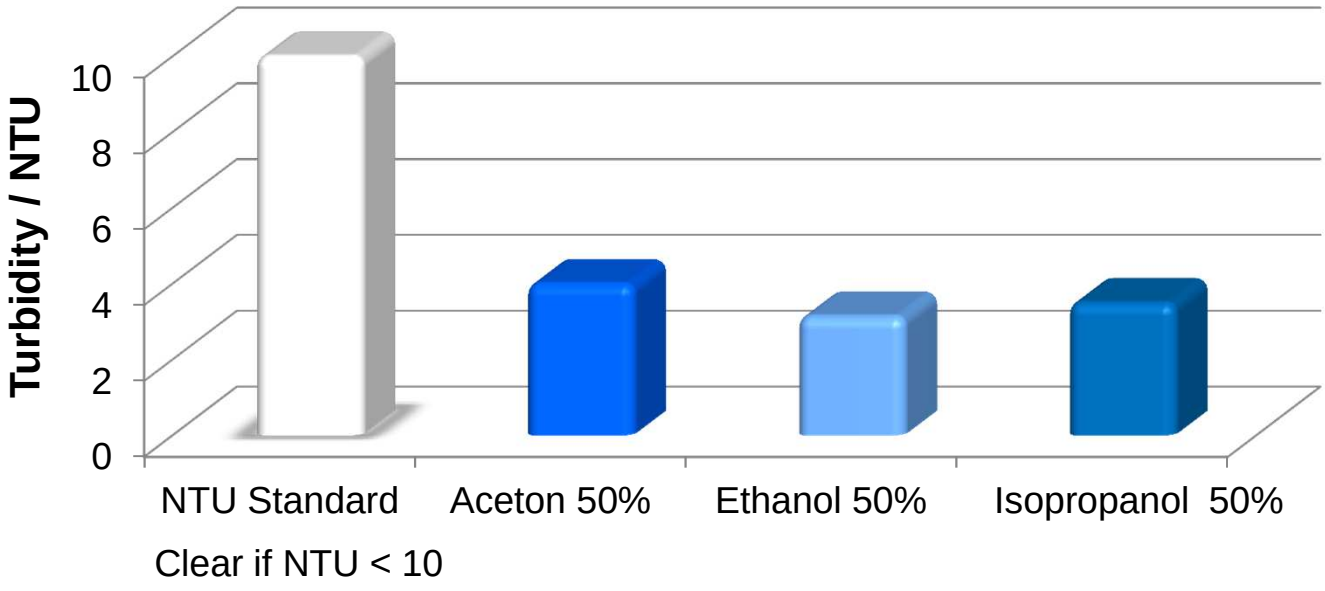
Turbidity in 50% Organic Solvents

compatibility with solvents

Aristoflex® Velvet produces clear formulations in the presence of high amounts of solvents



Soothing Hand Sanitizer
with 70% Ethanol

Aristoflex® Velvet has excellent rheological and optical properties with solvents - Ideal for high clarity formulations (toners, gels, nail polish removers, etc.)

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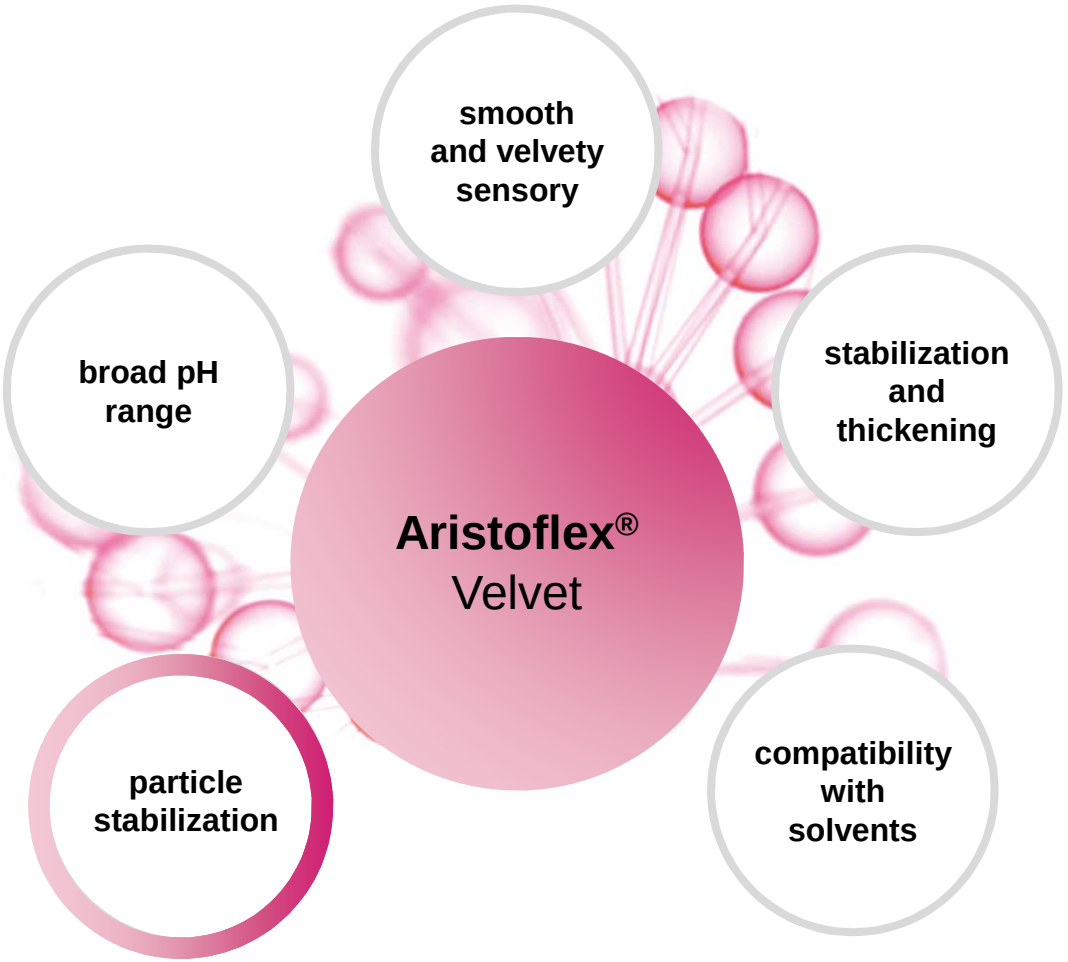

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Stabilization of various particles

particle stabilization

Aristoflex® Velvet provides excellent suspending and stabilizing properties in a variety of products - even low viscosity formulations

Nail polish remover with 30% Ethanol, 30% Ethylacetate

Stabilization of:

- colorful beads
- exfoliating scrubs
- microcapsules
- sparkling pearls
- shimmering particles

Excellent stabilization of particles for outstanding optical effects

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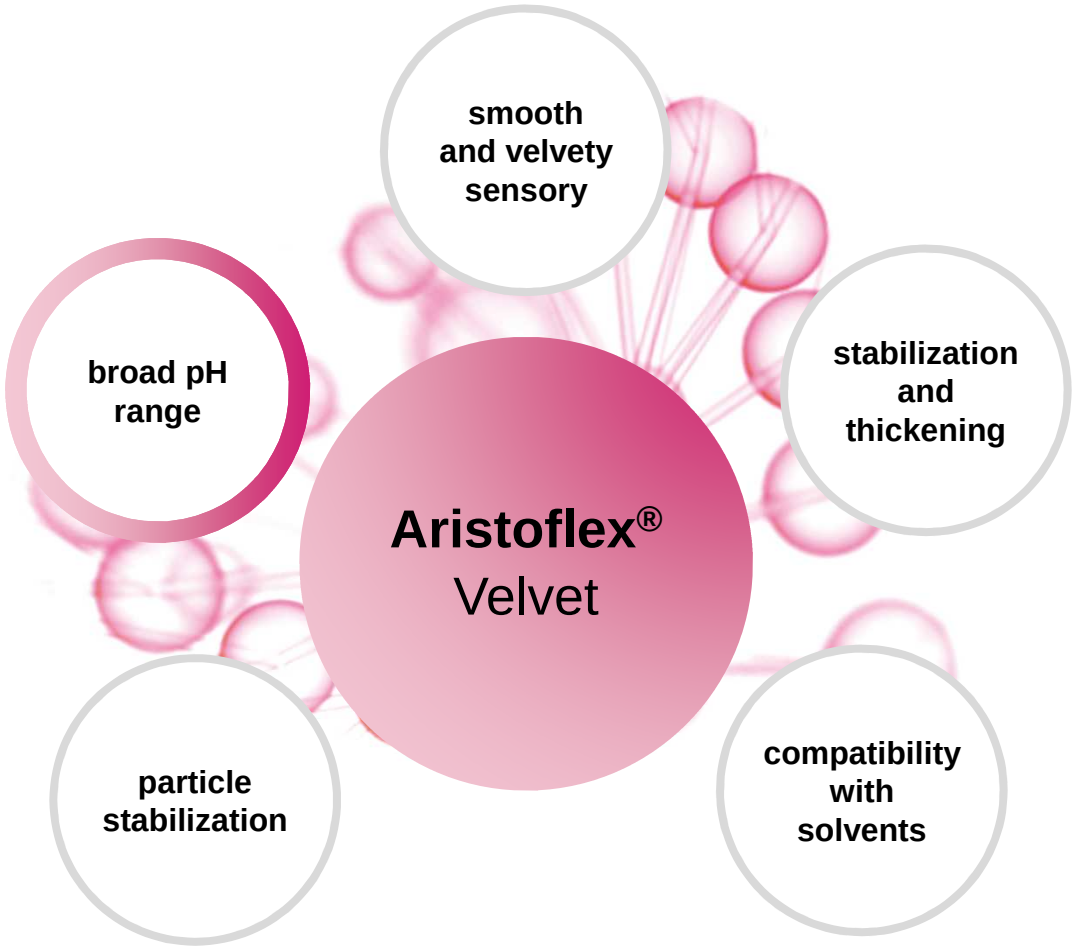

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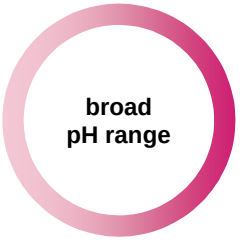
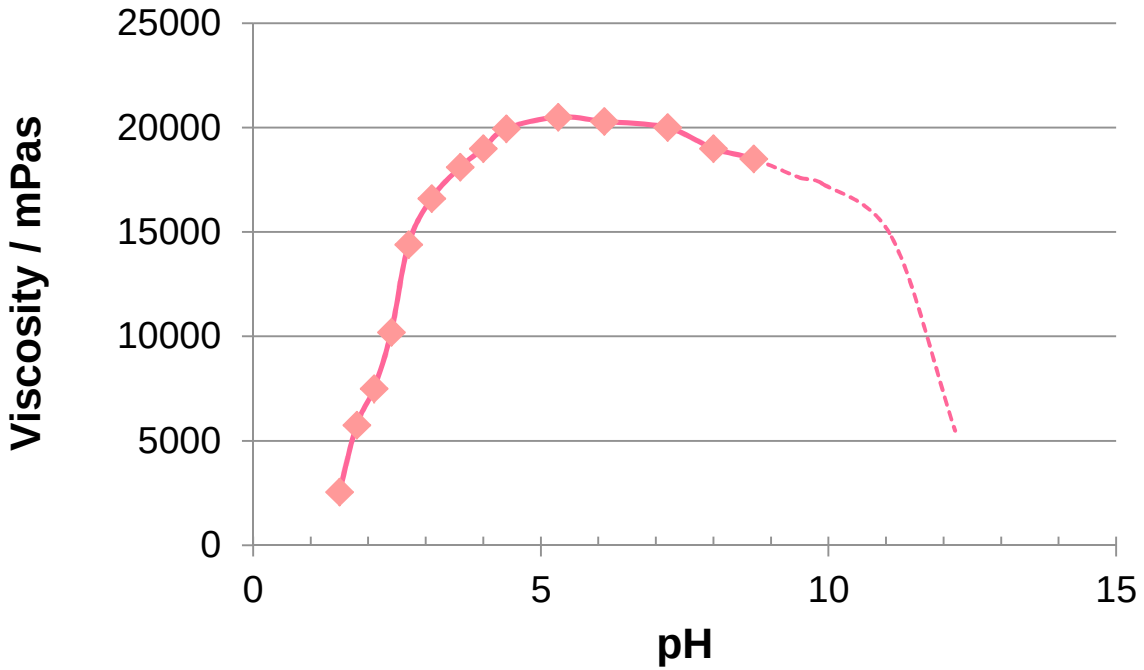
Broad pH usage spectrum



Aristoflex Velvet can be used over a wide pH range allowing formulations with good viscosity properties from pH 3 - 8



Aristoflex Velvet allows easy incorporation of:

- Alpha Hydroxy Acid (AHA)
- Benzoic Acid
- Salicylic Acid
- due to low pH spectrum

Can be used at low pH – allows formaldehyde and paraben-free preservation

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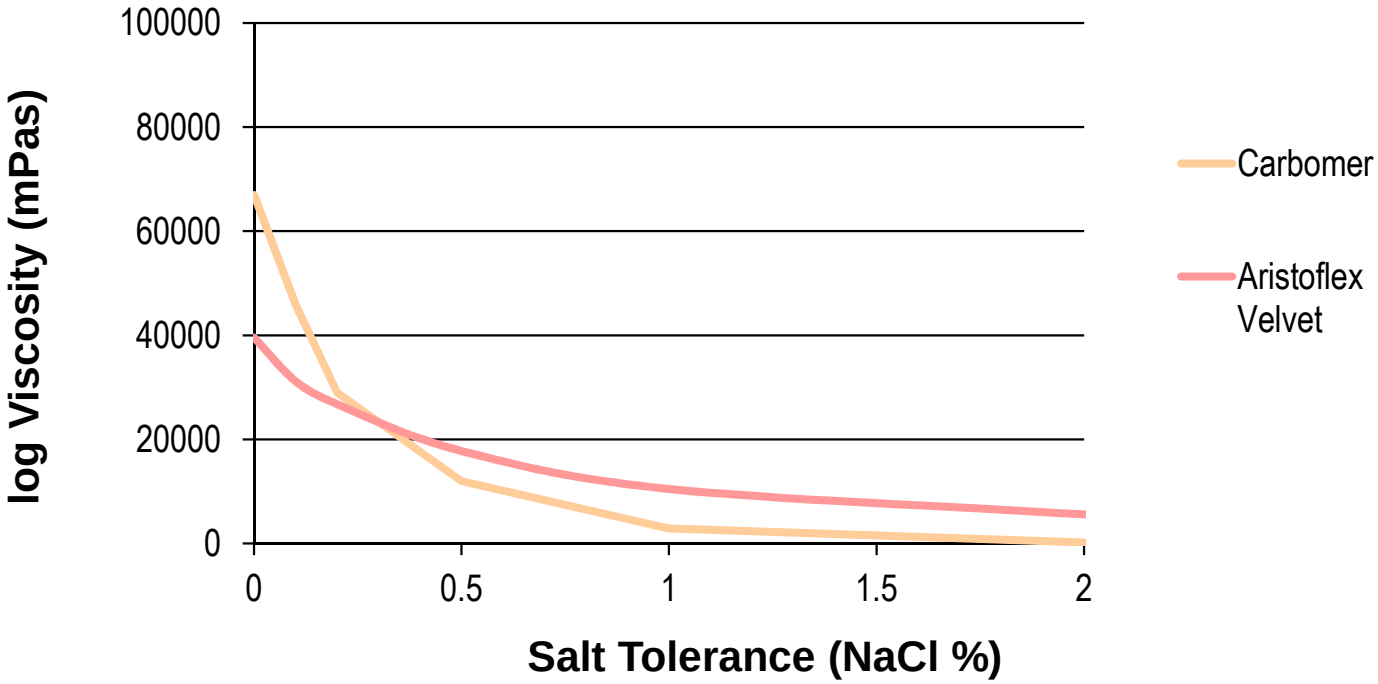
Proven electrolyte tolerance (viscosity in aqueous solution with 2% polymer)

broad
pH range



Proven salt tolerance superior to Carbomer

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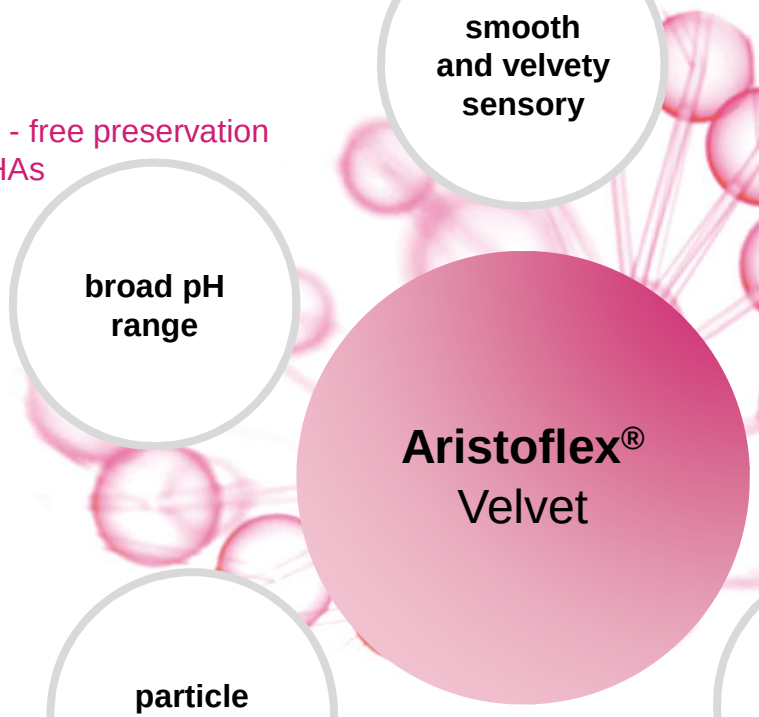

New smooth & velvet skin feel
With good spread ability and absorption

pH: 3 - 8
Formaldehyde & paraben - free preservation
High compatibility with AHAs
Very easy to use
Pre-neutralized

High temperature stabilization
Good thickening properties
Gives body and texture to formulations

Colorful beads
Exfoliating scrubs
Microcapsules
Sparkling pearls
Shimmering particles

Excellent compatibility with organic solvents
High clarity formulations

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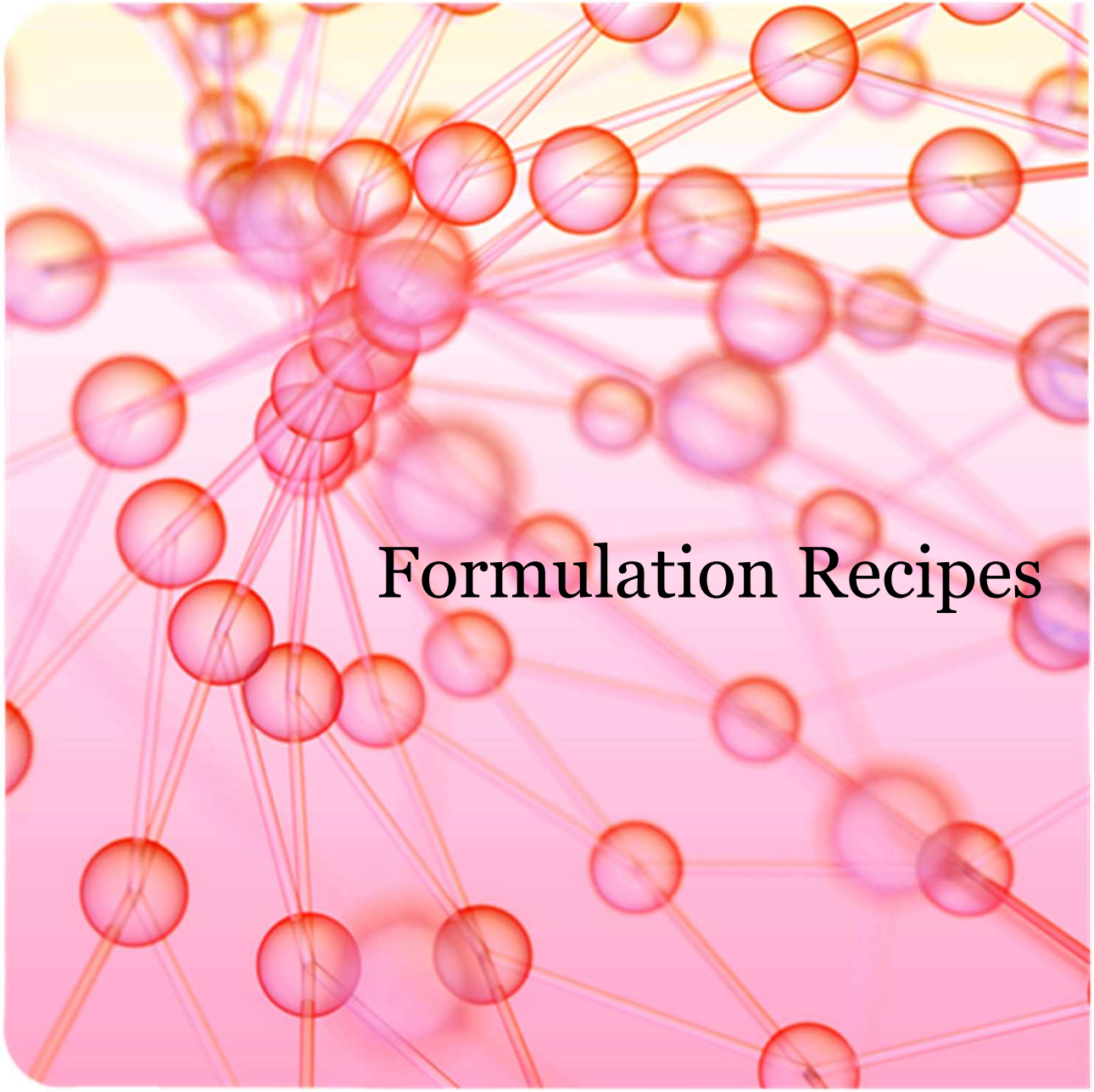

Formulation Recipes

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Emulsifier-Free Cream Gel

A	Myritol® 318 *Caprylic/Capric Triglyceride*	*Emollient*	3.00 %
	Isopropylpalmitate	*Emollient*	3.00 %
	Soybean Oil *Glycine Soja*	*Emollient*	1.00 %
B	Glycerine	*Humactant*	4.00 %
	Water		ad 100 %
C	**Aristoflex® Velvet (Clariant)** *Polyacrylate Crosspolymer-11*	*Rheology Modifier*	**1.50 %**
D	Parfume “Cotton”		0.15 %
	Nipaguard® POB (Clariant) *Phenoxyethanol (and) Piroctone Olamine (and) Benzoic Acid*	*Preservative*	**0.80 %**
E	NaOH 20%	*Neutralizer*	q.s.

Procedure

I	Mix the components of A
II	Mix the components of B
III	Add C to A
IV	Add II to III and stir until the cream is homogenious
V	Add D to IV and stir for 10 minutes
VI	Finaly adjust the pH with E to 5.5-6.0

Viscosity (Brookfield, 20°C 20 rpm): 14650 mPas

Appearance: White Cream Gel

Clariant Internal No: AVI 8769

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Day Cream

A	Myritol® 318 *Caprylic/Capric Triglyceride*	*Emollient*	3.00 %
	Cetiol® MM *Myristyl Myristate*	*Emollient*	2.50 %
	Lanette® O *Cetearylalkohol*	*Emolient*	2.00 %
	Imwitor®370 *Glyceryl Stearate Citrate*	*Emulsifier*	1.00 %
	Eutanol® G *Octyldodecanol*	*Emollient*	1.00 %
B	Glycerin	*Humectant*	7.50 %
	Water		ad 100 %
C	**Aristoflex® Velvet (Clariant)** *Polyacrylate Crosspolymer-11*	*Rheology modifier*	**0.60 %**
D	Ethanol	*Diluent*	3.00 %
	Xiameter® PMX 200 50cs *Dimethicone*	*Skin Conditioning*	3.00 %
	Parfume “Cotton”		0.15%
	Nipaguard® POM (Clariant) *Phenoxyethanol (and) Piroctone Olamine (and) Methylparaben*	*Preservative*	**0.80 %**
E	NaOH 10%	*Neutralizer*	q.s.

Procedure

I Mix the components of A and melt at approx. 80℃.
II Mix the components of B and heat at approx. 80℃ .
III Add C to I.
IV Add II to III and stir until cool.
V Add D one after another to IV and stir until homogeneous.
VI Finaly adjust the pH to 6-6.5 with E.

Appearance: White cream

Viscosity (Brookfield, 20℃ 20 rpm): 24000 mPas

Clariant internal No: AVI 1643

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Nourishing Cream

A	Tegosoft® TN *Alkylbenzoate*	*Emollient*	3.00 %
	Cetiol® OE *Dicaprylyl Ether*	*Emollient*	2.50 %
	Squalan	*Emollient*	2.00 %
	Cetylalkohol	*Stabilizer*	1.50 %
	Lanette® 22 *Behenyl Alcohol*	*Stabilizer*	2.00%
	Cetiol® SB 45 *Butyrospermum Parkii (Shea) Butter*	*Emollient*	5.00 %
	Lanette® O *Cetearyl Alcohol*	*Stabilizer*	2.20%
	Cetiol® MM *Myristyl Myristate*	*Emollient*	1.50 %
	Imwitor® 370 *Glyceryl Stearate Citrate*	*Emulsifier*	2.00 %
B	Glycerine	*Humactant*	7.00%
	Water		ad100 %
C	**Aristoflex® Velvet (Clariant)** *Polyacrylate Crosspolymer-11*	*Rheology Modifier*	**0.30 %**
D	Xiameter® PMX 200 50cs *Dimethicone*	*Skin Conditioning*	1.50 %
	Dow Corning® 245 *Cyclopentasiloxane*	*Skin Conditioning*	1.50 %
	Parfume “Cotton”		0.30 %
	Nipaguard® POM (Clariant) *Phenoxyethanol (and) Piroctone Olamine (and) Methylparaben*	*Preservative*	**0,80 %**
E	NaOH 10%	*Neutralizer*	q.s.

Procedure

I Mix the components of A
II Mix the components of B
III Add C to A
IV Add II to III and stir until the cream is homogenious
V Add D to IV and stir for 10 minutes
VI Finaly adjust the pH with E to 5.5-6.0

Appearance: soft white cream

Viscosity (Brookfield, 20℃ 20 rpm): 21350 mPas

Clariant internal No: Ba 90-16

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Gentle to Your Skin Toner

A	Emulsogen HCO 040 *PEG-40 Hydogentated Castor Oil*	*Solubulizer*	1.00 %
	Fragrance		0.2 %
B	Water		ad 100 %
	Ucare JR 400 *Polyquaternium-10*	*Skin Conditioning Agent*	0.025 %
C	Trisodium EDTA	*Skin Conditioning Agent*	0.25 %
	Glycerin	*Humectant*	2.00 %
	Citric Acid 25 %	*Neutralizer*	q.s.
D	**Aristoflex® Velvet (Clariant)** *Polyacrylate Crosspolymer-11*	*Rheology Modifier*	**0.50 %**
E	**Nipaguard M (Clariant)** *Methylparabene*	*Preservative*	**0.1 %**
	Polyglykol 400 (Clariant) *PEG-8*	*Skin Conditioning Agent*	**1.5 %**

Procedure

	Mix components of A
I	Mix components of B and dissolve thoroughly
II	Add components of C to II and adjust pH to 6.0
V	Add III to II and stir until dissolved
/	Add D to IV and stir until dissolved
/I	Meanwhile blend the components of E and add to V
/II	Control and if necessary adjust pH to 6

Appearance: clear, light viscous liquid

Viscosity (Brookfield, 20℃ 20 rpm): 410 mPas

Clariant internal No: 122/10-7

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Soothing Hand Sanitizer

A	Water		Ad 100
	Aristoflex® Velvet (Clariant) *Polyacrylate Crosspolymer-11*	*Rheology Modifier*	**0.45 %**
B	Ethanol	*Diluent*	70.00 %
	Glycerin	*Humectant*	2.00 %
	Dow Corning 5324 *PEG-12 Dimethicone*	*Conditioning Agent*	0.50%
	Aloe Vera Gel *Aloe Barbadensis Leaf Juice*	*Active*	0.10 %

Procedure

I Mix the components of A.
II After completely solution add the components of B.
III Stir until homogenous.

pH: 6.6

Appearance: clear gel

Viscosity (Brookfield, 20℃ 20 rpm): 2940 mPas

Clariant internal No: MiH 189-90

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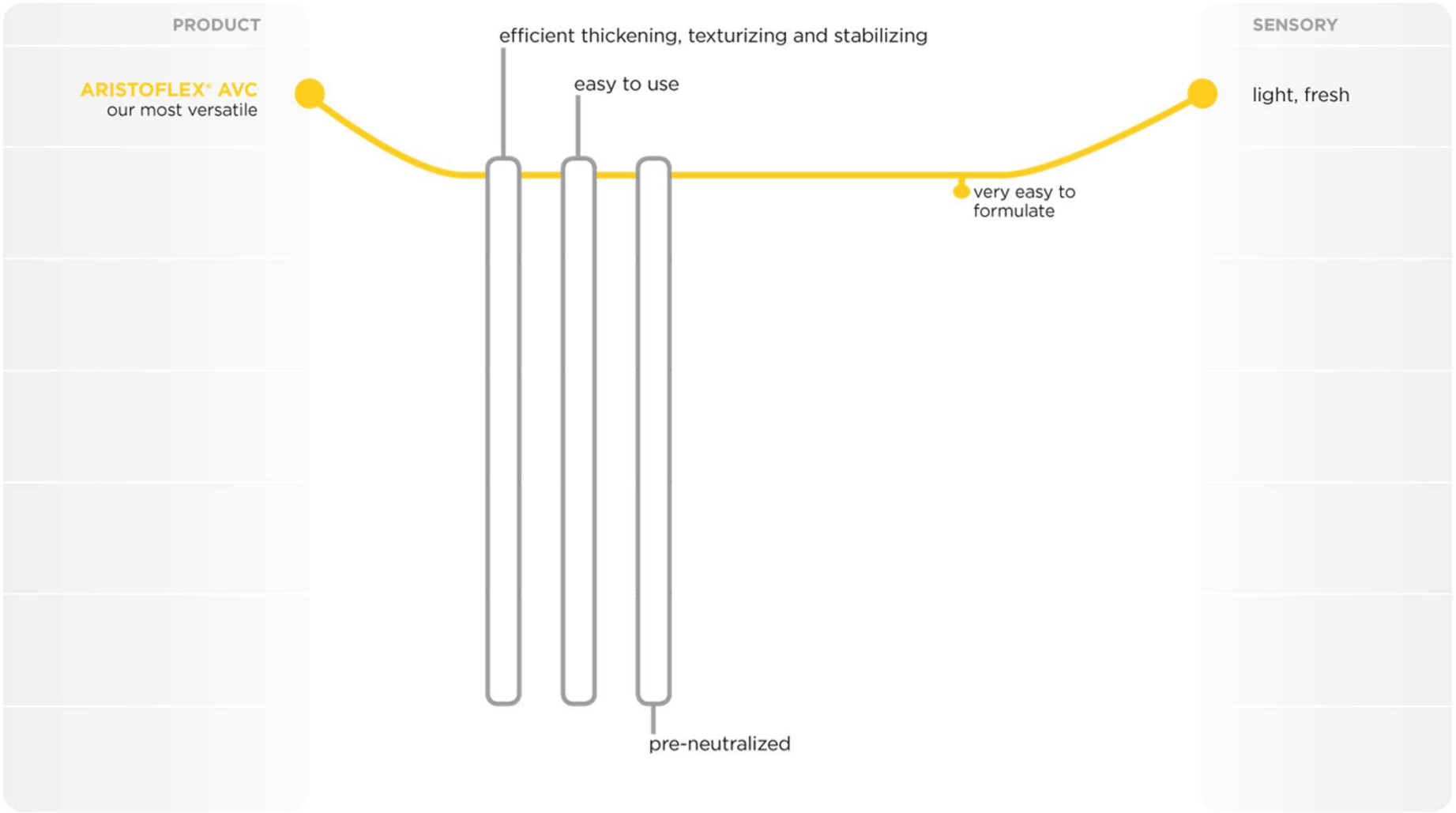
Aristoflex® Velvet complements our existing polymer range



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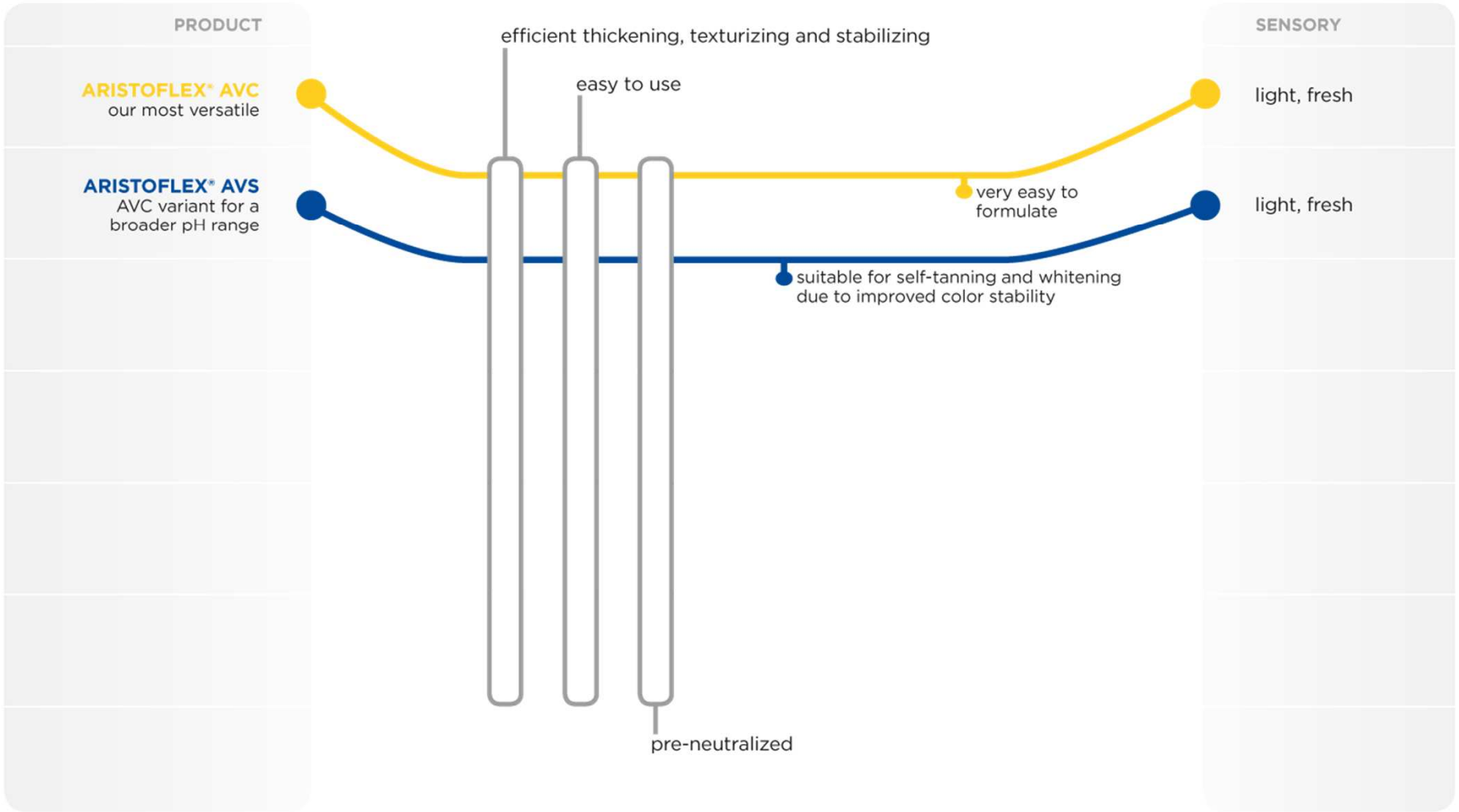

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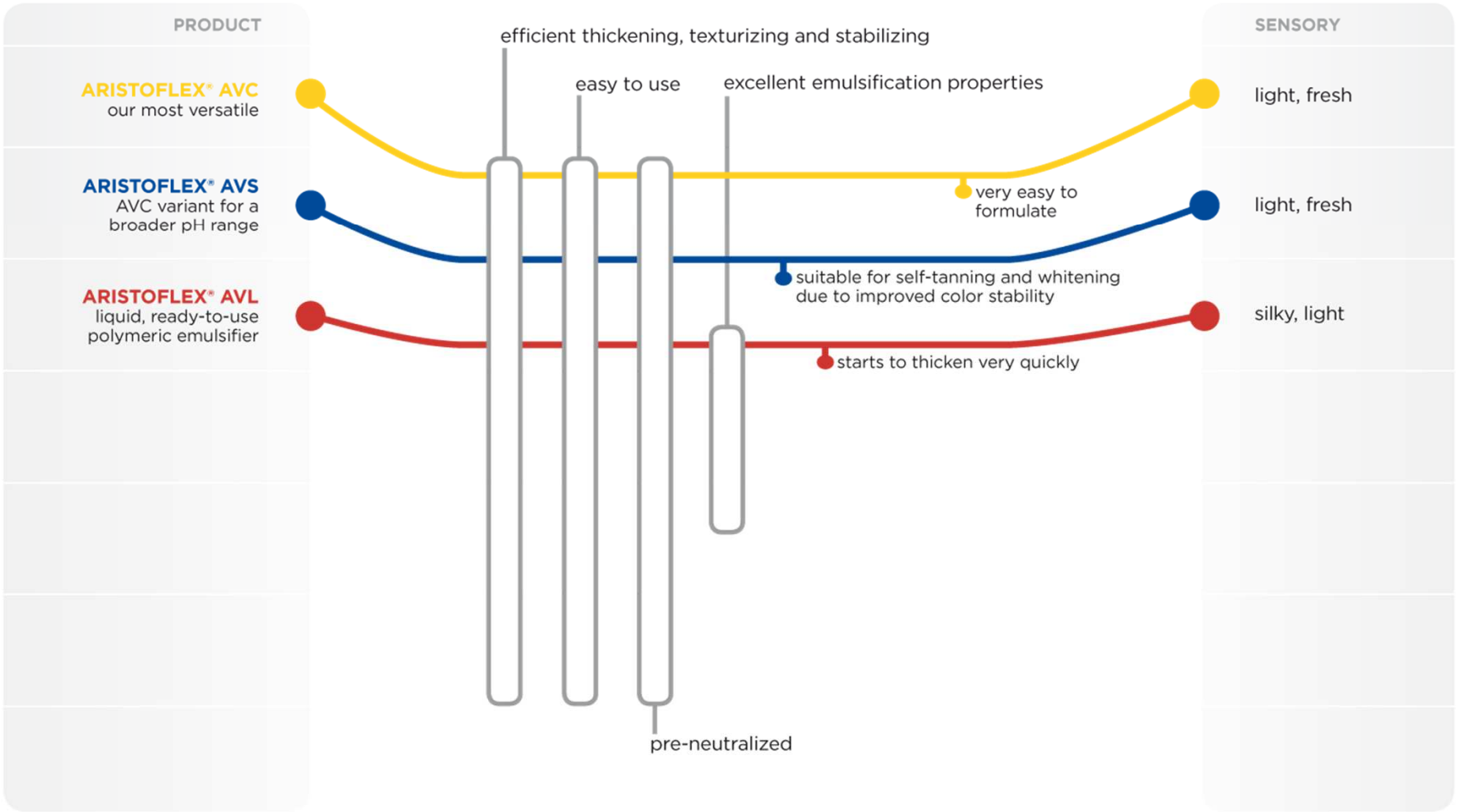

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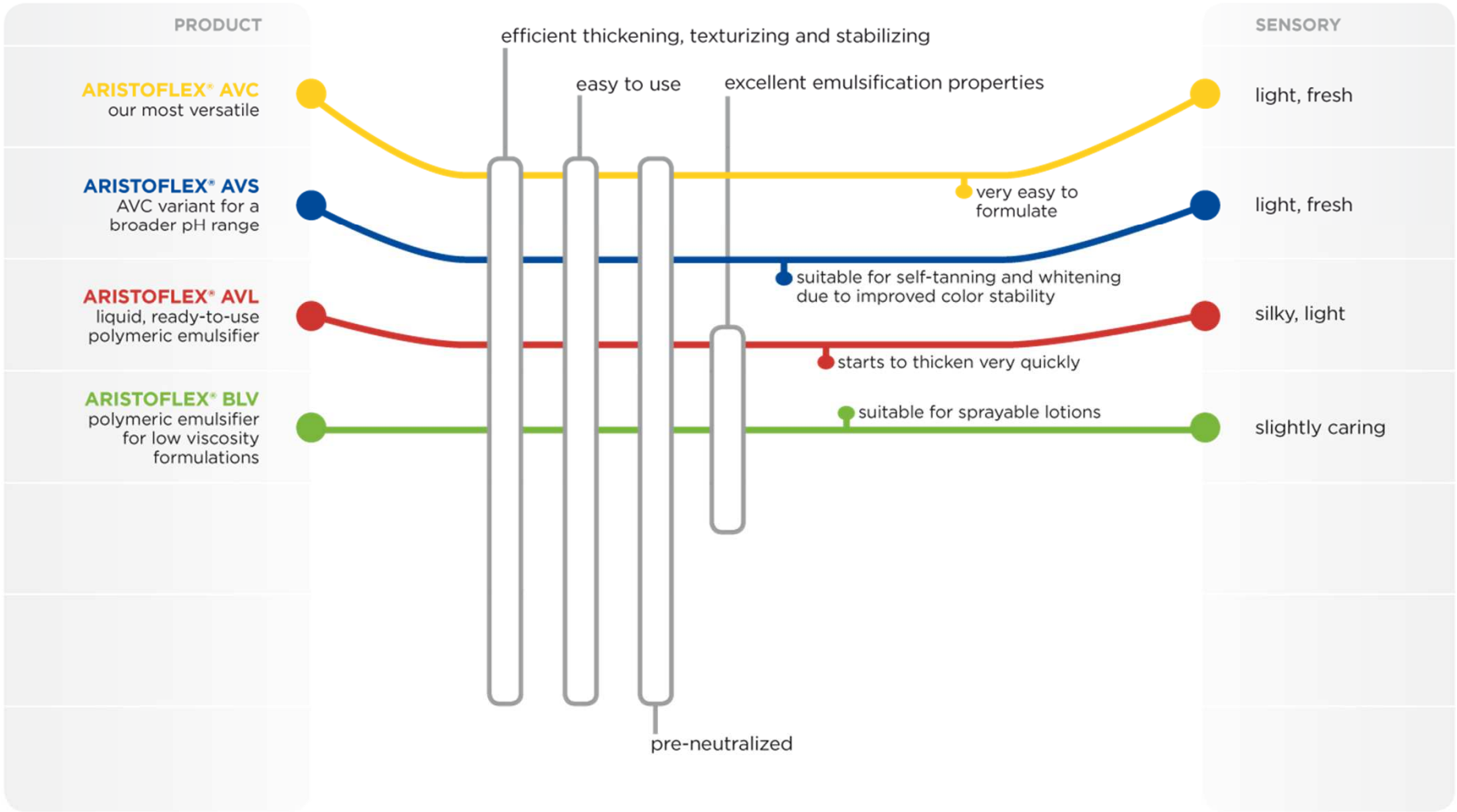

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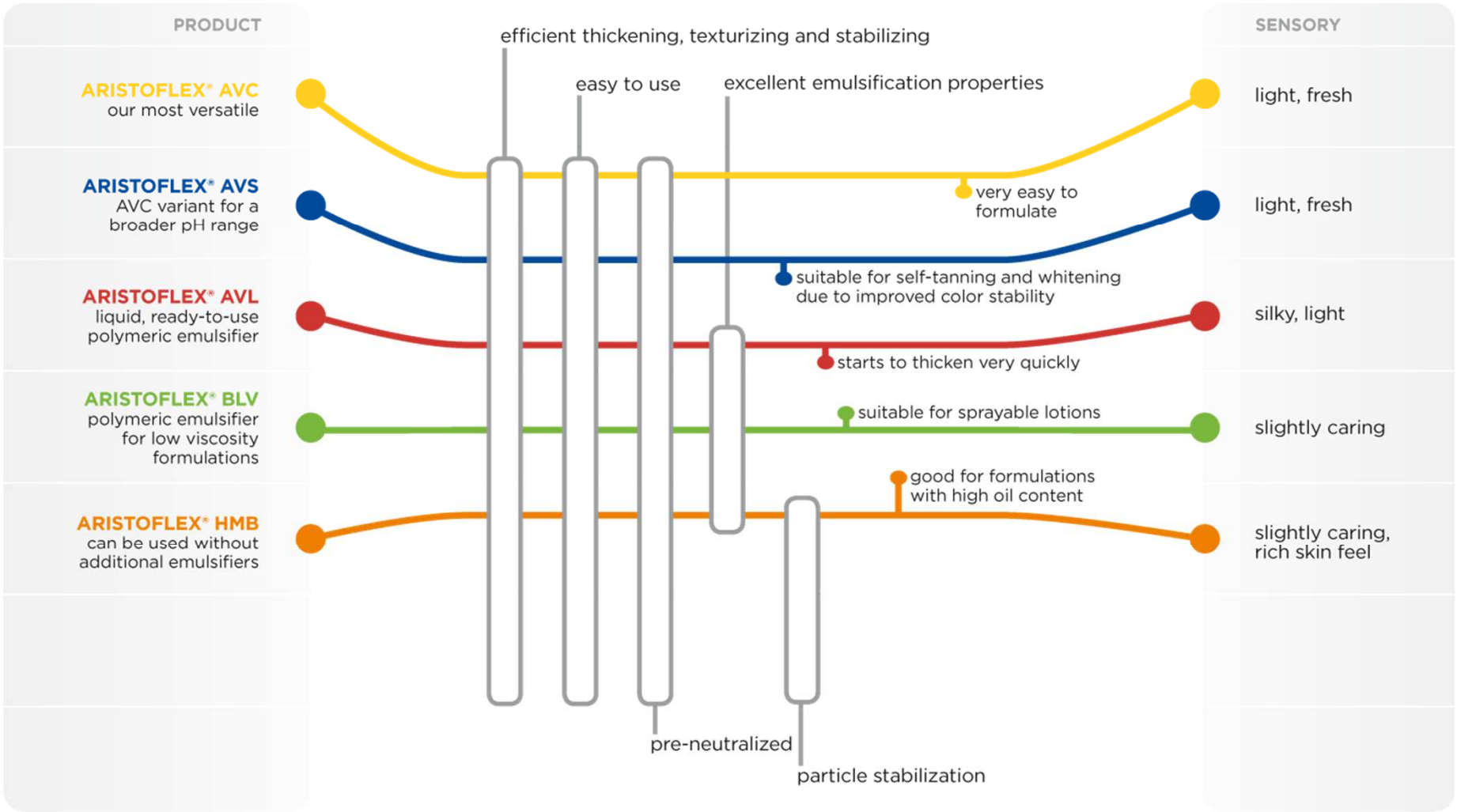

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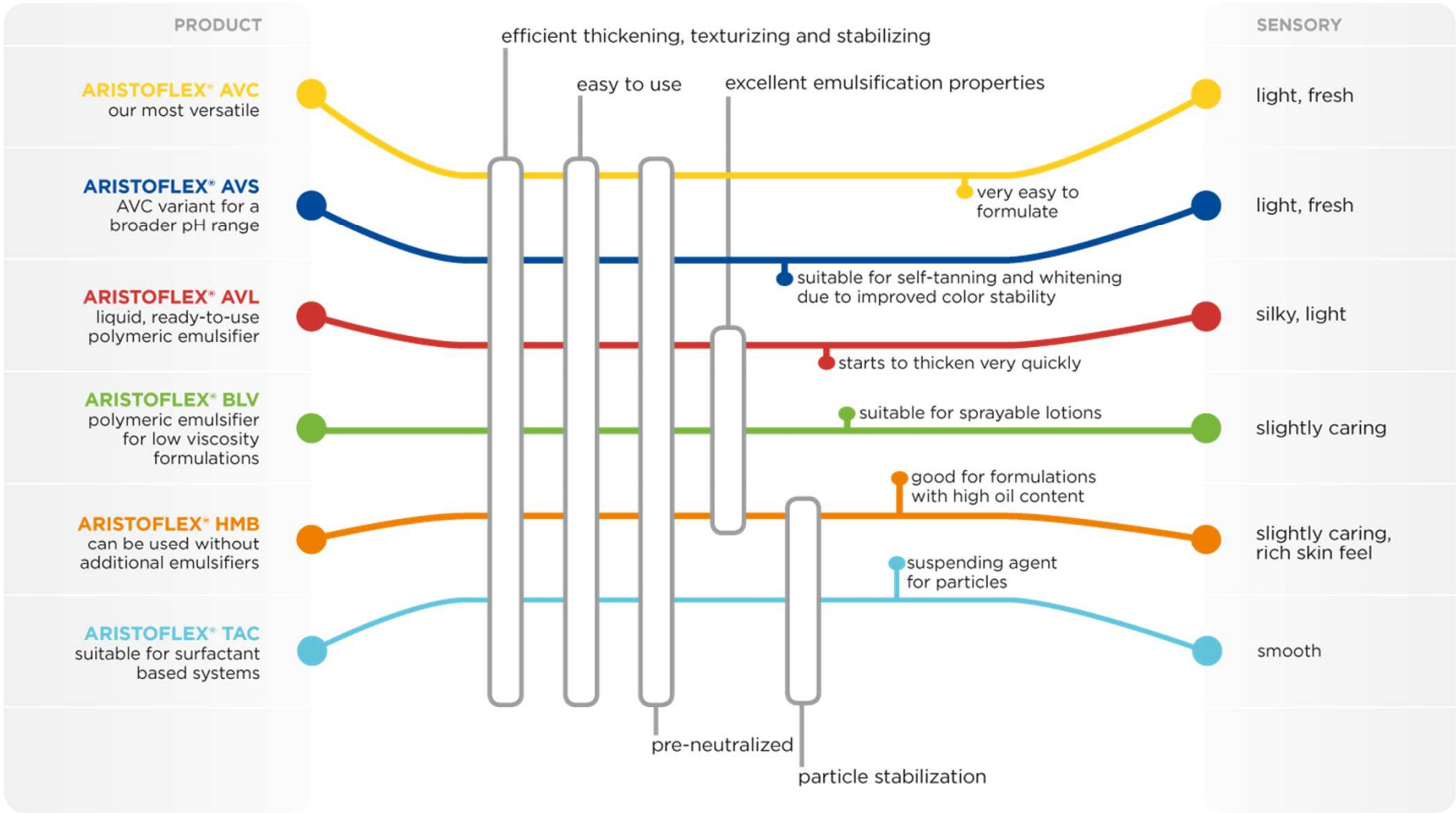

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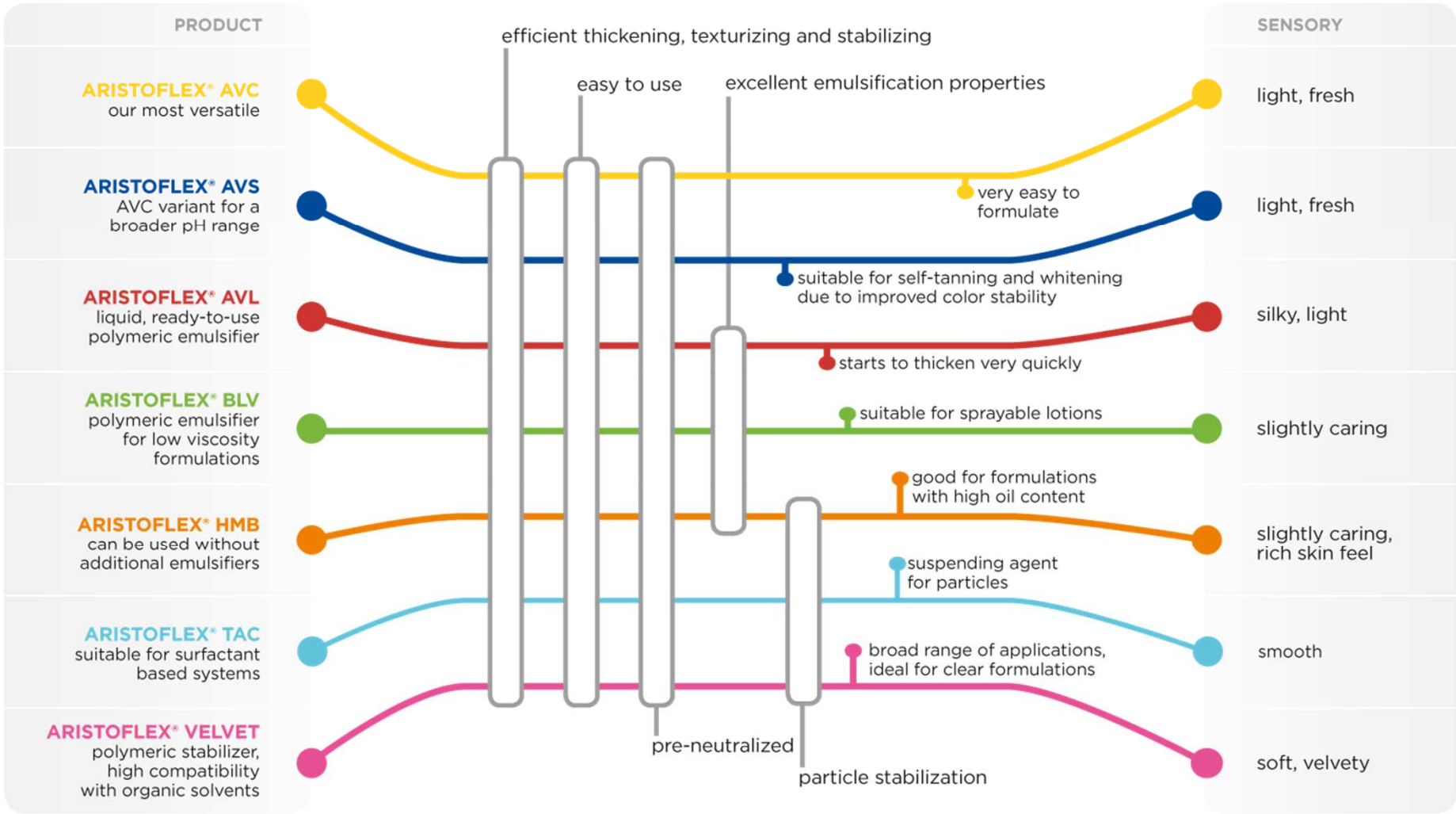

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