



Youth SupportTM

YS SERIES
DERMAL FILLERS

Hyaluronic Acid

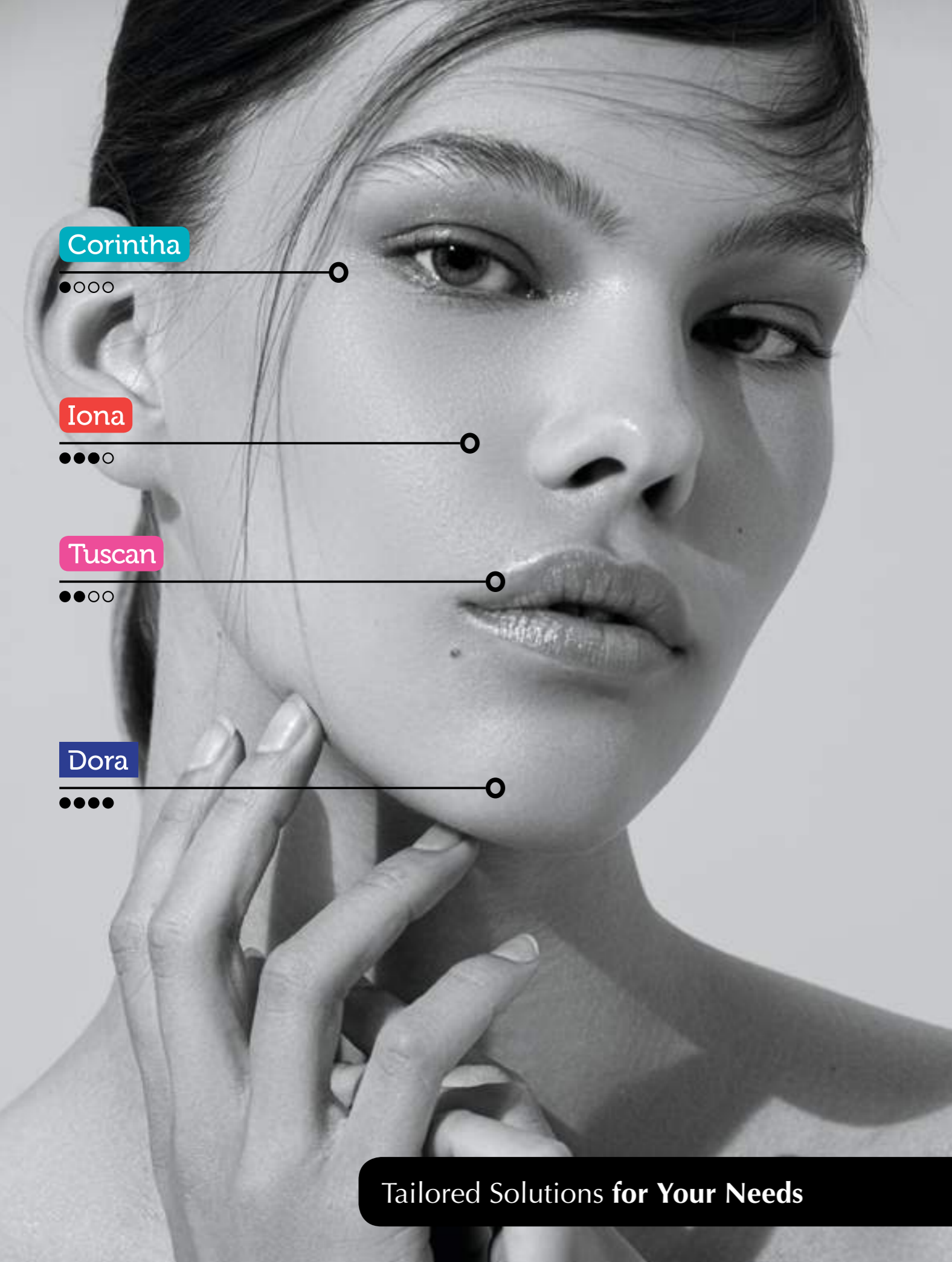
www.burgeon.me



REJUVENATE
YOUR
SKIN




BURGEON



Corintha

●○○○

Iona

●●●○

Tuscan

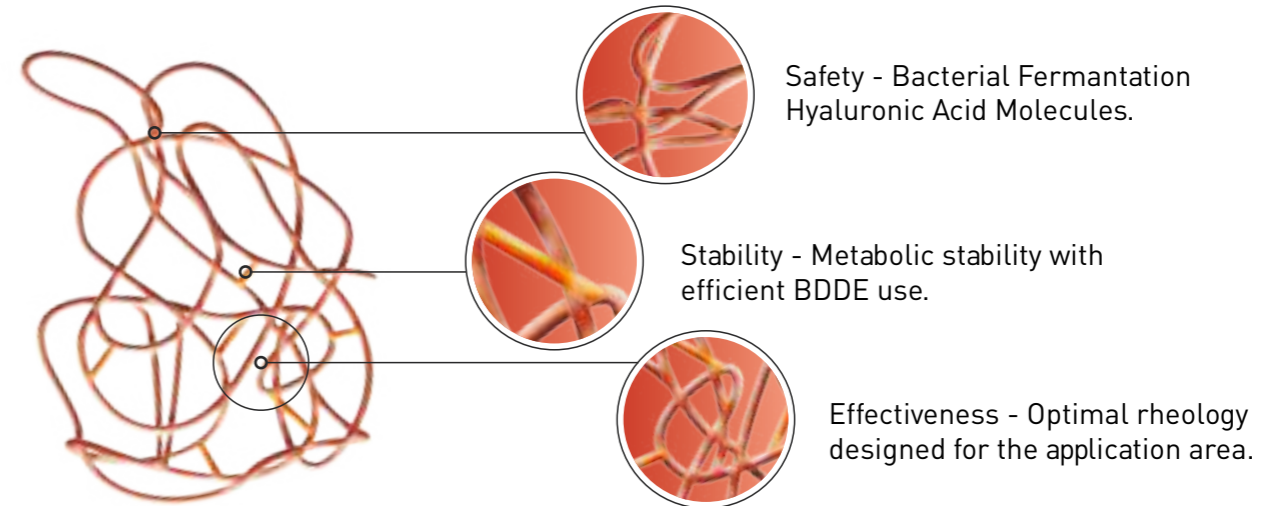
●●○○

Dora

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Tailored Solutions for Your Needs

TECHNOLOGY & PRODUCTION



The YS Series fillers, containing hyaluronic acid particules cross-linked with BDDE, are designed for the rheological needs of the respective application area.

With the PPB (Parts Per Billion) Purity Technology, measurements are made at the level of ppb, which is 1000 times below the ppm value determined by the FDA. In this way, the residual BDDE (butanediol diglycidyl ether) was reduced 20 times below the limit recommended by the FDA with PPB measurement. The use of the filler in this confidence interval enhances its biocompatibility.

Innovative Production Method:

Harmonophasic Technology®

A Unique Method Supporting Balance & Ideal Tissue Compatibility:

Tissue-Mimetic Design®



MODERN PRODUCTION

Production in cleanrooms under GMP Standards

Full compliance with European standards

Optimal rheological properties

Sterilization technology protecting the viscoelastic structure

Confirmed HA concentration

High purity with a specialized manufacturing process

Particle size designed specifically for the application area

Tissue-compatible osmolality balance

Optimal pH range

Easy application with low extrusion force

Lidocaine addition for patient comfort

High stability after application



CE

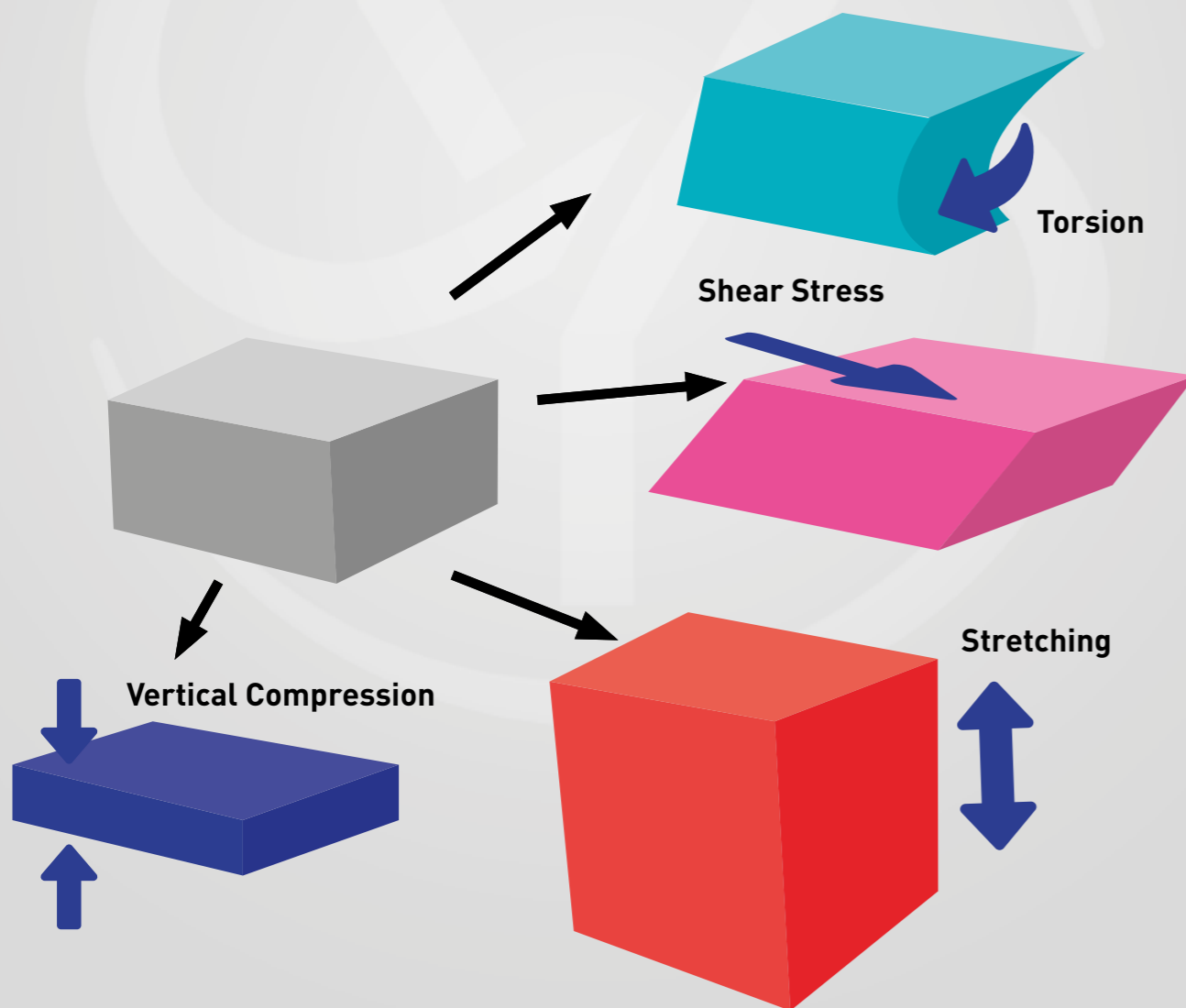
RHEOLOGICAL PARAMETERS

Dynamic Forces Affecting Skin Tissue

Dermal fillers are exposed to many internal and external forces after injection to the subcutaneous plane.

The filler is affected by the force of facial mimic muscles moving with a subsequent impact on the tissue as shear stress, stretching, torsion, and compression.

Youth Support series is **DESIGNED TO RESIST THESE FORCES WITHOUT DEFORMATION, AND TO MINIMIZE RISKS SUCH AS MIGRATION, NODULES, AND GRANULOMA BY MATCHING THE NATURAL LOOK OF THE TISSUE.**



Rheology examines the behavior of hyaluronic acid fillers subjected to shearing stress and stretching after being injected into the tissue and defines the physical properties of the fillers.

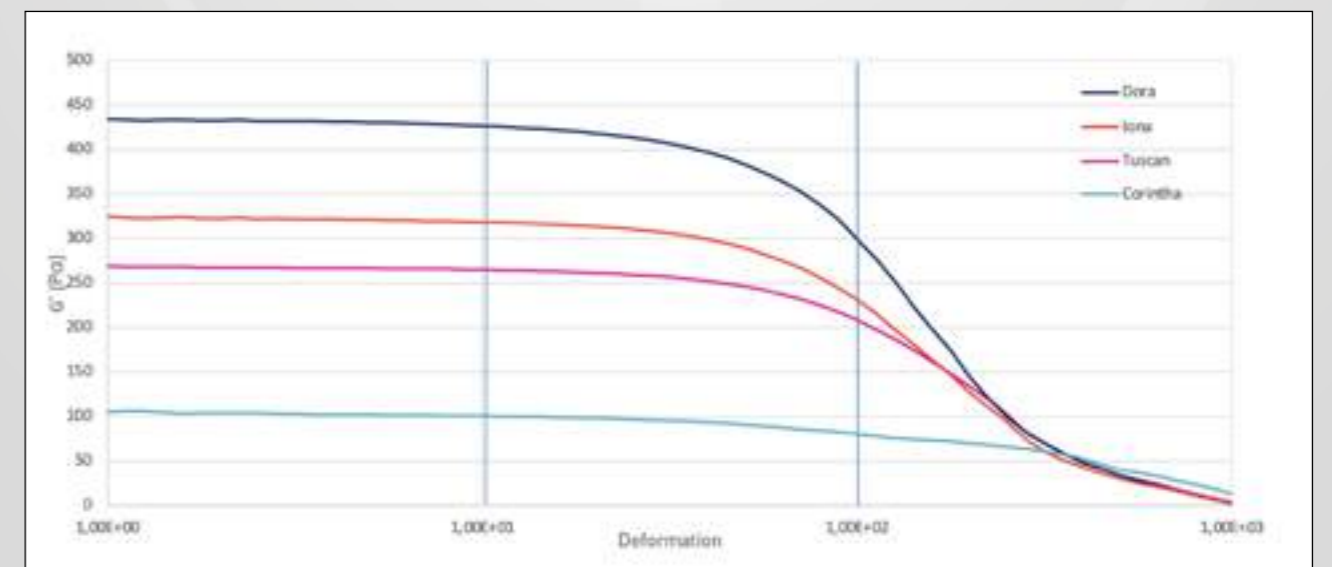
The rheological parameters of the Youth Support hyaluronic acid series are measured with a rheometer device. Elastic modulus (G') which shows the hardness of the filler and cohesivity are calculated, which shows the ability of the cross-linked hyaluronic acid molecules to hold together.

All Youth Support dermal fillers ARE DEVELOPED TO ADAPT TO THE ELASTICITY OF THE SKIN WITH THEIR VISCOELASTIC PROPERTIES.

Measurement of Elasticity Modulus (G')

The elasticity modulus (G') value indicates the durability of the fillers' flexibility against internal and external forces after their subcutaneous administration. The G' value represents how much the shape of the filler changes when subjected to these forces and informs about the lifting capacity.

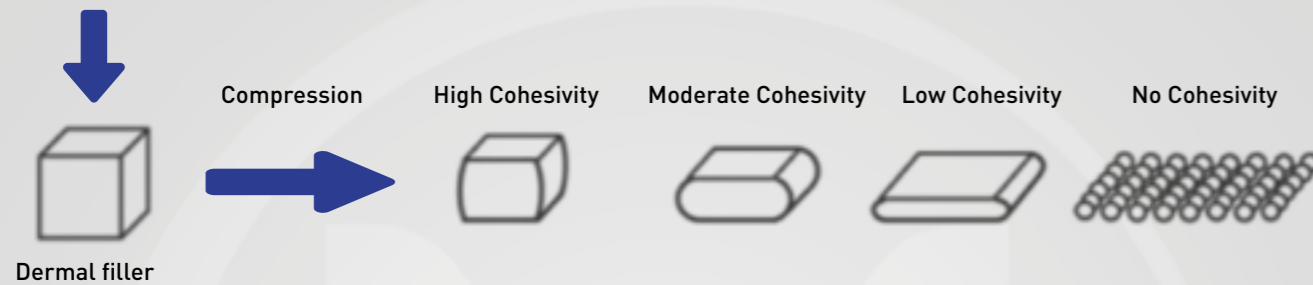
The Youth Support hyaluronic acid fillers ARE DESIGNED TO PROVIDE MAXIMUM PERFORMANCE BY MINIMIZING THE RISK OF NODULES AND PLASTIC APPEARANCE IN SHORT, MEDIUM, AND LONG TERM.



Measurement of Cohesivity

Cohesivity represents the ability of the cross-linked hyaluronic acid molecules to hold together when the filler is placed under the skin.

When the face is subjected to external forces (such as a pillow or massaging etc.), the filler in the tissue is expected to spread evenly, with low-to-moderate and moderate-to-high cohesivity depending on the area of injected hyaluronic acid fillers.



The cohesivity of Youth Support IS DEVELOPED TO ACHIEVE IDEAL TISSUE COMPATIBILITY AND TO MINIMIZE THE RISK OF FILLER MIGRATION IN THE AREAS WHERE IT IS INJECTED.

Cross-Linking Density

While the durability of the filler is supported by different cross-linking densities among the products in the Youth Support series, the physical properties of the fillers show a balanced correlation.

With the PPB Purity technology, measurements are made at the level of ppb, which is 1000 times below the ppm value determined by the FDA. In this way, the residual BDDE was reduced 20 times below the limit recommended by the FDA with ppb measurement. The use of the filler in this confidence interval enhances its biocompatibility.

Innovative Production Method:

Harmonophasic Technology®

With Harmonophasic Technology®, the cross-linked hyaluronic acid particle structures are uniformly distributed in the modified carrier phase. Tissue adaptation is maintained at the maximum level with the 20-fold decrease in the BDDE ratio, which is below the limit accepted by the FDA, using the technology involving PPB design.

This technology harmonizes biphasic and monophasic features. It is more cohesive when compared with other particulate structures exhibiting biphasic behaviour. Furthermore, it is more durable and stable compared to homogenous structures exhibiting monophasic behaviour.

A Unique Method Supporting Balance & Ideal Tissue Compatibility:

Tissue-Mimetic Design®

Tissue-Mimetic Design® defines the optimal tissue adaptation with a balanced combination of elasticity, cohesivity, and cross-linking density for all the fillers in Youth Support series.

- Flexibility ability required for the natural appearance of facial expressions
- Rheological balance to minimize the risk of nodules, migration and plastic appearance
- Minimum tolerance for deformation against internal and external forces in the tissue
- High performance by protecting the natural tissue structure
- Minimized side effects in the short, medium, and long term
- Ideal results in each area of injection

Osmolality Analysis

The plasma osmolality is examined to adjust the filler osmolality with the electrolyte-water balance within the body. The osmolality value indicates the oedema-inducing effect of fillers, and a high value means an increased risk of oedema.

All Youth Support products ARE DEVELOPED TO MINIMIZE THE RISK OF OEDEMA COMPARED TO THE LEADING PRODUCTS ON THE MARKET WITH AN OSMOLALITY VALUE OF 330 MOSM/KG.



Corintha®
Hyaluronic Acid + Lidocaine

- ⊗ Adaptation with the tissues by optimal degree of cross-linking
- ⊗ Ideal particle size minimizing the risk of nodule formation
- ⊗ Provides a painless application to the patient with the 0.3% lidocaine
- ⊗ Easy injection with an average syringe extrusion force of 3.2 N
- ⊗ Rehydration while filling superficial wrinkles

Cohesivity:
12 N.s

Elasticity:
110 Pa

Cross-Linking
Density:
7.26%

Corintha® is used in superficial wrinkles, perioral and periorbital areas. Corintha® minimizes the risk of migration and nodule formation with low-to-moderate cohesivity and elasticity.

It offers balanced tissue restoration without creating a rough and nodular surface.

Its small particle size and cross-linking density are designed to ensure optimal biocompatibility.

- ⊗ Fine Balance Between the Necessity and Performance
- ⊗ Usage in a Confidence Interval
- ⊗ Tissue-Mimetic Design® for Ideal Tissue Compatibility



●○○○ Fine

APPLICATION AREAS

Crow's feet

Superficial wrinkles

Perioral lines

Concentration
23 mg/mL

Cross-Linking
Density
7.26%

Lidocaine HCl
0,3%

Package Content/
Needle
2X1 mL/ 30 G

Superficial wrinkles

Lip contour

Lip augmentation

Concentration
23 mg/mL

Cross-Linking
Density
9.68%

Lidocaine HCl
0,3%

Package Content /
Needle
2X1 mL/ 30 G

Tuscan®

Hyaluronic Acid + Lidocaine

- ☞ Cross-linking density compatible with middle dermis and lip vermilion border
- ☞ Easily adjustable gel structure
- ☞ Optimized cohesivity and elasticity that keeps the tissue compatible with its natural form
- ☞ Comfortable injection experience with an average syringe extrusion force of 3.3 N
- ☞ Natural results in lip contour and augmentation
- ☞ High performance for correction of superficial wrinkles
- ☞ Provides a painless application to the patient with the 0.3% lidocaine

Cohesivity:
17 N.s

Elasticity:
270 Pa

Cross-Linking
Density:
9.68%

Tuscan® is designed to be in perfect synchronicity without distorting the natural movement of the lips and can be easily shaped by the physician.

Tissue-Mimetic Design® facilitates homogenous spread in the tissue, maintaining the natural appearance of the lips after augmentation and contouring.

Developed to ensure optimal water retention capacity, Tuscan® maintains the ideal hydration level in the tissue.

The product can also be used in superficial wrinkles and therefore offers multiple treatment possibilities in varying areas.

- ☞ Homogenous Distribution in the Tissue
- ☞ Easily Shaped
- ☞ Multiple Application Areas
- ☞ Regenerative Effect on Wrinkles & Maintenance of the Natural Shape of the Lips with the Tissue-Mimetic Design®



●●○○ Lip



Hyaluronic Acid + Lidocaine

- ⊗ Developed to treat the middle face and cheeks; corrects deep wrinkles, deep marionette lines, and deep nasolabial folds and volumizes the lips.
- ⊗ High performance and sustained effect on the lips.
- ⊗ Effective results in augmentation with moderate-to-high lifting capacity.
- ⊗ Provides a painless application to the patient with the 0.3% lidocaine
- ⊗ Easy application with an average syringe extrusion force of 3.6 N.
- ⊗ Predictable injection experience with homogeneous filler distribution.

Displays high resistance to deformation created by facial expressions.

Provides natural and effective results in volume restoration.

Tissue-Mimetic Design® offers the desired results on the lips and minimizes the related risks.

- ⊗ High Resistance to Dynamic Forces
- ⊗ Long Durability with Stable Structure
- ⊗ Minimum Risk and Maximum Performance on the Lips & Optimal Tissue Adaptation in Deep Wrinkles with Tissue-Mimetic Design®
- ⊗ High Compatibility & Effective Performance

Cohesivity:
20 N.s

Elasticity:
330 Pa

Cross-Linking
Density:
12.01%



●●●○ Mid



APPLICATION AREAS

Upper cheeks

Nasolabial folds

Marionette lines

Lip augmentation

Concentration
23 mg/mL

Cross-Linking
Density
12.1%

Lidocaine HCl
0,3%

Package Content /
Needle
2X1 mL/ 27 G



Cheeks

Cheekbones

Jaw and jawline

Concentration
23 mg/mL

Cross-Linking
Density
12.4%

Lidocaine HCl
0,3%

Package Content /
Needle
2X1 mL/ 27 G



Hyaluronic Acid + Lidocaine

- ⊗ Designed for the treatment of facial contours, cheekbones, cheeks, jaw, and jawline.
- ⊗ It offers high-level performance and durability with its ideal particle size, cross-linking density, and rheological values.
- ⊗ The injection experience is comfortable for the physician with an average syringe extrusion force of 4 N.
- ⊗ Provides a painless application to the patient with the 0.3% lidocaine

Cohesivity:
22 N.s

Elasticity:
435 Pa

Cross-Linking
Density:
12.4%

Tissue-Mimetic Design[®] minimizes the dispersion and migration of the product during facial muscle contractions.

Exhibits a bulk structure and can therefore conform to the tissue in 3D contouring, volume projection, and definition.

The filler's structure provides the ideal combination of durability and tissue compatibility.

It offers maximum performance with minimized side effects in medium and long term.

- ⊗ High Compatibility & Maximum Performance
- ⊗ Harmonized & Durable Effect
- ⊗ High Lifting Capacity in Confidence Interval



●●●● Deep

SYRINGE FEATURES

Low Extrusion Force

Easy application with a very low extrusion force of 5 Newtons

Controlled Injection

Predictable injection experience with homogeneous filler distribution



Comfortable Application

Convenient use with ergonomically designed plunger

Minimised Risk of Infection

Inert syringe to prevent leachables and extractables

PRODUCT LINE



Corinthia

Tuscan

Iona

Dora

Concentration

23 mg/ml

23 mg/ml

23 mg/ml

23 mg/ml

Cross-Linking



Gel Density

Super Soft

Soft

Medium-Soft

Medium-High

Particle Size



Lifting Capacity

Low

Moderate

Moderate

High

Indication

Superficial wrinkles

Lip contour

Moderate-to-deep wrinkles

Deep wrinkles

Perioral lines

Lip augmentation

Facial shaping

Periorbital lines

Superficial wrinkles

Facial shaping
Nasolabial folds and
Marionette lines

Cheeks
Deep nasolabial
folds and

Lip augmentation

Marionette lines

Injection Area

Middle Dermis

Middle dermis
Vermilion border

Middle Dermis

Deep Dermis

Package Content

2*1ml

2*1ml

2*1ml

2*1ml

Recommended Needle Type

30 G

30 G

27 G

27 G

BUR-CTL-09.02.01 rev.04 Release Date: 03.03.2021 Rev. Date: 11.01.2023



Youth  Support™


BURGEON