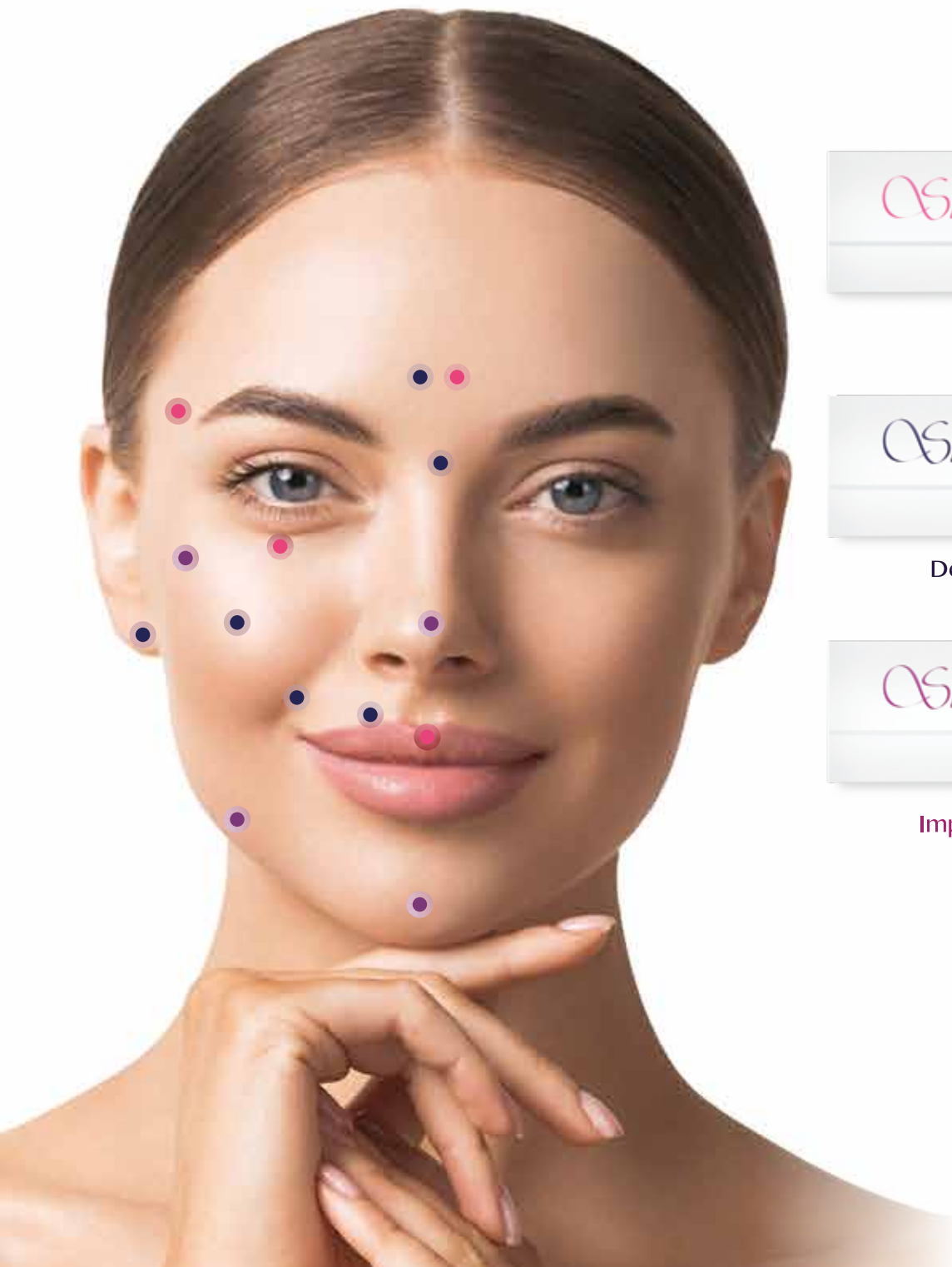


Starfill

Part of Procedure

Natural Results, Trusted Science



Plus Lidocaine



Deep Plus Lidocaine



Implant Plus Lidocaine

Starfill

Product Information

Product Name	Volume	Main Composition	Recommended Uses	Needle Size	Storage Temperature	Maximum Duration	Depth of Injection
Starfill Plus Lidocaine	1.1 ml	24 mg/ml Monophasic Hyaluronic Acid + 0.3% Lidocaine	Fine to moderate wrinkles, eye area lines, neck wrinkles, eyebrow shaping	1× 27G 1× 30G	2–25°C (36–77°F)	Up to 12 months	Superficial / Mid Dermis
Starfill Deep Plus Lidocaine	1.1 ml	24 mg/ml Monophasic Hyaluronic Acid + 0.3% Lidocaine	Deep wrinkles like nasolabial folds, forehead lines, chin lines, mouth corners, lip shaping and volumizing	1× 27G 1× 27G	2–25°C (36–77°F)	Up to 15 months	Mid / Deep Dermis
Starfill Implant Plus Lidocaine	1.1 ml	24 mg/ml Monophasic Hyaluronic Acid + 0.3% Lidocaine	Facial volumizing (cheeks, jawline, chin, forehead, preauricular area), deep wrinkle reduction, nose shaping	1× 25G 1× 27G	2–25°C (36–77°F)	Up to 18 months	Subcutaneous / Supraperiosteal Areas



Distributor VISIONMED LTD.



B-1601 SK Metrocity, 128 Beobwon-ro, Songpa-gu, Seoul, 05854 Republic of Korea
Tel. +82-2-3482-1181 / Fax. +82-2-3482-1182
E-mail: info@vmed.co.kr Website: www.vmed.co.kr



16-25, Dongbaekjungang-ro 16beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Korea
Tel. +82-70-4337-6920 / Fax. +82-70-4032-2283
www.jetema.com



Headquarters: unit 4, 2nd floor, No. 30, Esfandiar Blvd., Valiaser Street, Tehran, Iran. / Phone: (+98)21 88 79 61 41 / (+98)21 88 78 01 83
www.masoondarou.com / info@masoondarou.com
www.starfill-ir.com

Starfill

HYALURONIC ACID FILLER

Formulated for:
Natural Effects
Optimal Shaping
Long Lasting Effects

CE Certified
Trusted by Aesthetics in UK



ISO
13485

CE
2764



Safety, Stability and Longevity



Starfill

Exquisite Technology

The



Essentials

Starfill

Maximum
cross-linking
efficiency



Optimal
Rheological
Properties

Rheological Properties

Detail	Plus	Deep Plus	Implant Plus
Storage modulus(0.1 Hz)	42.33 Pa	130.52 Pa	264.51 Pa
Loss modulus(0.1 Hz)	17.3 Pa	37.32 Pa	52.89 Pa
Complex viscosity(0.1 Hz)	72.78 Pa.s	216.06 Pa.s	429.31 Pa.s
Phase angle(0.1 Hz)	22.22	15.96	11.31
Tan delta(0.1 Hz)	0.41	0.29	0.20
Osmolarity	280~330 mOsmol/kg	280~330 mOsmol/kg	280~330 mOsmol/kg
Endotoxin	0.017 EU/ml	0.009 EU/ml	0.013 EU/ml
BDDE	N/A	N/A	N/A
Modification Degree(MOD)	1.45	1.98	2.7
Particle size	310 um	310 um	310 um
HA ingredient	24 mg/ml	24 mg/ml	24 mg/ml

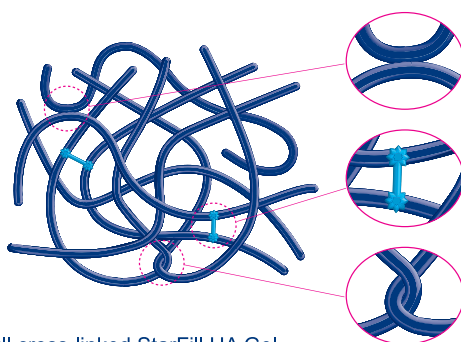
Maximization of Cross-Linking Efficiency

StarFill through the “2-crosslinking methods” that improve physical and chemical cross-link process to achieve a complete cross-linking level while minimizing the amount of BDDE as a chemical catalyst material, thereby manufacturing a gel with high viscoelastic properties.

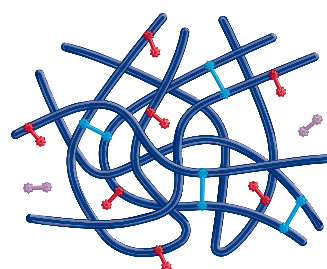
Gel with high cross-linking efficiency,
Small amount of un-acted BDDE



Gel with low cross-linking efficiency,
Large amount of un-acted BDDE



Full cross-linked StarFill HA Gel



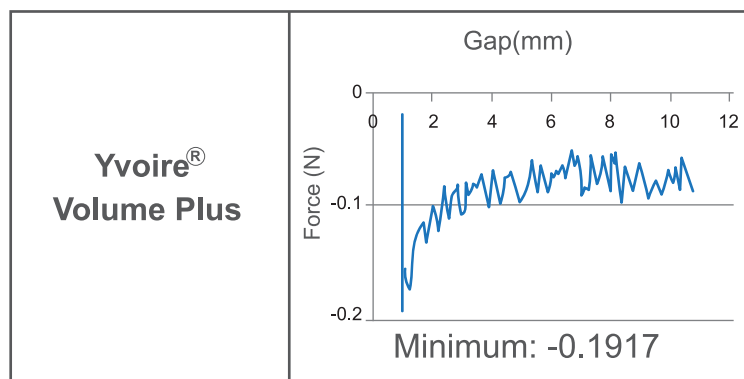
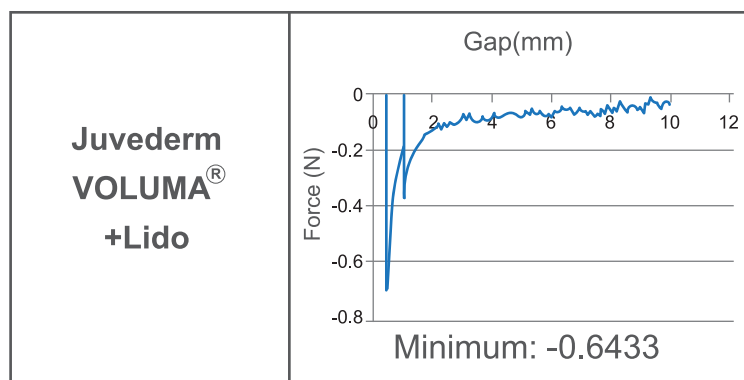
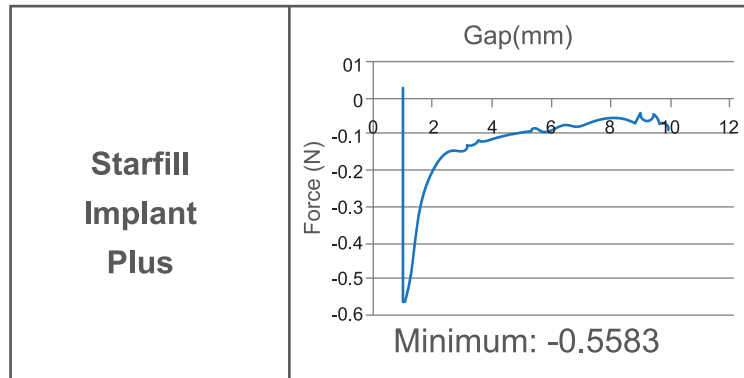
Incomplete cross-linked StarFill HA Gel

High Viscoelasticity and Cohesiveness

Compared results of Starfill Implant Plus and representative filler products, starfill's complex viscosity and cohesiveness are equivalent with foreign products which has more BDDE input and more outstanding compare with domestic products, can make best clinical results.

Starfill

Starfill's cohesiveness is equivalent to Juvederm volume, lifting capacity of Starfill can make best clinical results. (*lifting capacity = cohesiveness x G'*)



Data on CAU laboratory, Prof. Bjkim, 2017

Safety Assessment

No major abnormalities were reported, Slight abnormal responses, such as slight swelling and pain for 2-3 days, were observed that all recovered without any special treatment.

(there were no signs of abnormal vital signs in physical examinations and blood tests.)

Starfill has been reported to be a safe medical device due to its proven safety in the body.

Ref. Clinical Study Result, Department of Dermatology, Chung-age University Hospital, Korea 2016

