

Silica Beads

Highly Pure Spherical Silica Beads

- Delivers Soft Focus and Matte Effects
- «Roll On» Effect
- Highly Pure Amorphous Silica
- High Absorption Ability
- Good Alternative to Plastic Beads

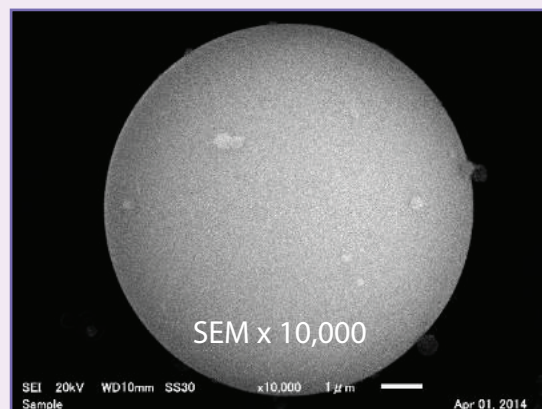


GENERAL INFORMATION

To help cosmetic formulators achieve high performance and sensorial effect when designing cosmetic products, The Miyoshi Group has developed a large range of multi-functional porous and non-porous silica beads. Silica beads provide slip, fluidity and spreadability in both powder and liquid systems.

They also offer soft-focus and sebum/oil absorption properties. The porous type can also be used as an active carrier such as Hyaluronic Acid to facilitate the formulation of active ingredients in products and their release control in application.

Silica beads are also available with surface treatment to provide additional value-added benefits such as strong hydrophobicity, excellent dispersibility into oil, and additional enhanced feel.





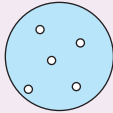
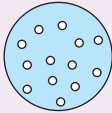
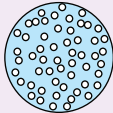

Cross sectional view of Silica Beads SB-700

INCI NAME : Silica

COMPOSITION

Ingredients/INCI Name	Wt (%)
Silica	100.0

LINE-UP

	SB-150	SB-300 	SB-700 	SBNP-810
Particle Size	5 microns	5 microns	7 microns	10 microns
Surface Area	150 m ² /g	300 m ² /g	400 - 700 m ² /g	50 m ² /g
Oil Absorption (ml/100g)	60	150	125	35
Schematic Drawing	Porous 	Porous 	Microporous 	Non-porous 
Available versions	SA treated (Dimethicone)	SA treated (Dimethicone)	SA treated (Dimethicone) Entrapped Hyaluronic Acid	

Silica Beads

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Fluid Beauty Color

FDT-K012

Hyper Fluid foundation where Silica Beads enhance texture and bring mattifying & powdery effects.



	INCI	TRADE NAME	SUPPLIER	%
A	Dimethicone	KF 96 A 20 cts	Shin Etsu	14,50
	Titanium Dioxide (and) Triethoxysilylethyl Polydimethylsiloxyethyl Hexyl Dimethicone	BAE-TAO-77891	Miyoshi Europe	16,80
	Iron Oxides (and) Triethoxysilylethyl Polydimethylsiloxyethyl Hexyl Dimethicone	BAE-C339001-10	Miyoshi Europe	4,20
	Iron Oxides (and) Triethoxysilylethyl Polydimethylsiloxyethyl Hexyl Dimethicone	BAE-C338001-10	Miyoshi Europe	0,60
	Iron Oxides (and) Triethoxysilylethyl Polydimethylsiloxyethyl Hexyl Dimethicone	BAE-C337001-10	Miyoshi Europe	0,40
B	C15-19 Alkane	EmoGreen L15	Seppic	5,00
	PEG-10 Dimethicone	KF 6017	Shin Etsu	2,00
	Isododecane (and) Distearidimonium Hectorite (and) Propylene Carbonate	Bentone Gel ISD V	Elementis SACI-CFPA	7,00
	Isododecane	Fancol ID-CG	Elementis	15,50
	Silica	SB-300	Miyoshi Europe	5,00
C	Synthetic Fluorphlogopite	MiyoSYN Matte	Miyoshi Europe	5,00
	Coconut Alkanes (and) Coco-Caprylate/Caprate	Vegelight 1214 LC	Biosynthis	14,00
	Polyglyceryl-2 Sesquiisostearate	Hydriol PGSI-2	Hydriol	2,00
	Alcohol Denat	Ethanol 96%	-	8,00

PROCEDURE:

1. Mix Phase A ingredients until complete pigments dispersion (Turbotest VMI, dispersion propeller 3300rpm, 30min).
2. Add successively Phase B ingredients into Phase A under stirring (Turbotest VMI, dispersion propeller 1200rpm).
3. Premix Phase C at room temperature. Add Phase C to Phase AB under stirring (Turbotest VMI, dispersion propeller 800rpm).

Day Cream

SKI-D007-CBG

This very light cream displays a smooth effect and skin turns very soft thanks to the silica beads



	INCI	TRADE NAME	SUPPLIER	%
A	Water	Water	-	82,00
	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Carbopol Ultrez 20	InterChimie	0,10
	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	Sepinov EMT 10	InterChimie	0,05
	Glycerine	Glycerin	Lubrizol / Gattefossé	4,00
	Butylene Glycol	Butylene Glycol	-	4,00
B	Phenoxyethanol (and) Caprylyl Glycol (and) Chlorphenesin	Mikrokill COS	Seppic	0,80
	Isostearyl Alcohol (and) Butylene Glycol Cocoate (and) Ethylcellulose	Emulfree CBG	Gattefossé	1,00
C	Isononyl Isononanoate	DUB ININ	Stéarinerie Dubois	2,00
	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	Sepinov EMT 10	Seppic	0,45
D	Parfum Halora K66-6190	Mikrokill COS	Lonza / Masso	0,30
E	Silica	SB-300	Miyoshi Europe	5,00
	Aqueous sol. NaOH 10%	Aqueous solution of NaOH at 10%	-	0,30

PROCEDURE:

1. Let Carbopol swelling in water at room temperature (RT), 20 min. Then add the other raw materials of Phase A and mix Phase A at RT using an Ultra-Turrax (low speed, 3 min).
2. Add Phase B to Phase A at RT (Ultra-Turrax, low speed, 10min).
3. Add Phase C to Phase AB under stirring at RT (Ultra-Turrax, medium speed, 5min).
4. Add Phase D to ABC under propeller mixer (VMI, low speed, 5min).
5. Adjust pH to 6,0-6,5 with Phase E.



Soft Focus Effect



Matte Finish



Enhanced Feel

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