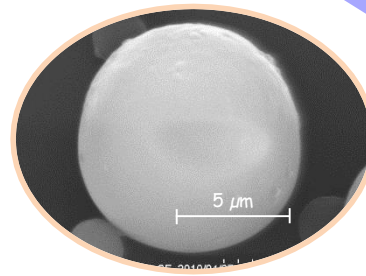
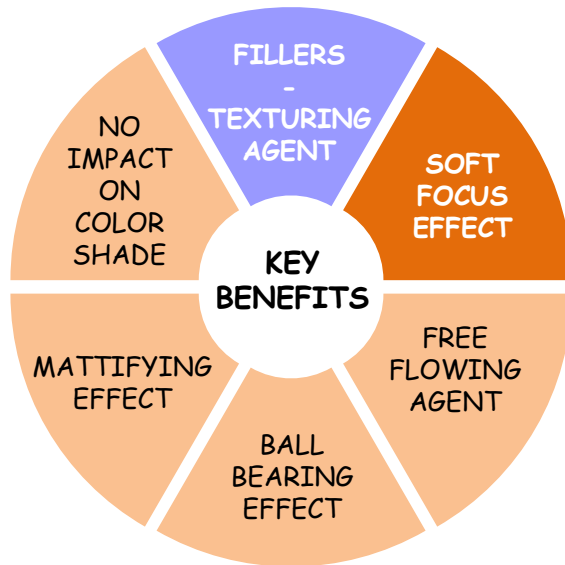


COMPOSITION	
INCI Name	POLYMETHYL METHACRYLATE



Chemical and physical properties

- Plain spherical beads
- White powder
- Characteristic odor
- Specific area $\approx 2\text{m}^2/\text{g}$

Use guideline

Emulsions:

- W/O emulsions: Add at the end of process
- O/W emulsions: Disperse MAKIBEADS 2 into the oil phase
- The low oil absorption permits the incorporation of significant level of MAKIBEADS 2 without initial or long term viscosity changes
- Use level: 1-5%

Lipsticks:

- Help to reduce sweating and cracking in poured products and sticks.
- Provide mattifying effect
- Use level: 1-2%

Powders:

- Mix with other powders
- Prevent reagglomeration of powders
- No color fading
- Use level: up to 60%

Cosmetic benefits

- Provide a smooth feeling
- Enhance slip and spreadability

Formulation

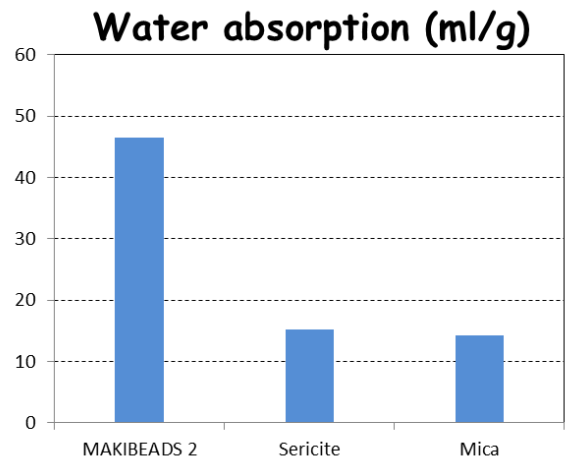
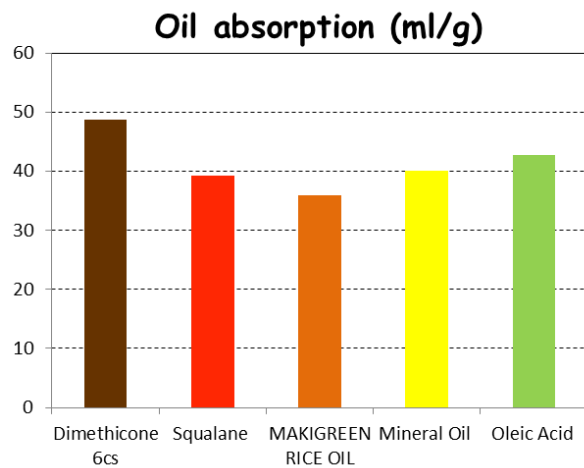
- **pH:** stable over a pH range of 4 to 10
- **Film formers:** reduce film gloss
- **Alcohols:** compatible
- **Pigments:** compatible
- **Pearls:** compatible
- **Talc, mica:** compatible
- **Organic solvents:** incompatible
- **Heat:** heat sensitive ($T < 100^\circ\text{C}$)

Color shade

TiO ₂ + untreated red iron oxide	MAKIBEADS 2 + ASL- red iron oxide	MAKIBEADS 2 + OTS-red iron oxide	MAKIBEADS 2 + MST-red iron oxide
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Oil and water absorption



Low oil and water absorptions

Applications

SKIN CARE PRODUCTS

DKE 155 Smooth chamallow concealer-ASL

FOUNDATION

DKE 23 Pressed powder foundation-OTS

Safety and regulatory information

Product safety: PMMA is considered non toxic by a single oral dose, produces minimal ocular irritation and does not cause skin irritation.

Material Safety Data Sheets are available for all DAITO KASEI products.

REACH: PMMA is exempted from registration

PMMA is listed on the major chemical inventories such CTFA, CosIng, AICS, DSL, KCID, IECIC2003 and/or IECIC2014.

For additional information

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