

SILICONE ELASTOMER BLEND



Product Bulletin

TCE-3063

INCI Name

DIMETHICONE (and) DIMETHICONE / VINYL
DIMETHICONE CROSSPOLYMER

Description

TCE-3063 is a colorless translucent paste and is composed of Dimethicone and Dimethicone/Vinyl Dimethicone Crosspolymer. TCE-3063 can be used in skin care, hair care, make-up, suncare, antiperspirants and deodorants, etc. It is easy to formulate and can be applied in cold process, It can reduce tackiness of formulations and provide dry, smooth and silky skin feel. Also it can thicken grease in formulation .

Specification

| Parameter | Value |
|------------------------|--------------------------------------------|
| Appearance | Colorless translucent thixotropic solid |
| Penetration (25°C, mm) | 8.00-11.00 |
| Specific gravity | 0.900-0.950 |
| D4 content (%) | <0.1 |

* These values indicate typical specifications, they are not intended to be used as product specifications.

Properties

- Thickening capability
- Refresh
- Odor free
- Quick absorption
- Compatible with varieties of lipophilic active ingredients such as fragrances, sunscreens, vitamins, and vitamin derivatives
- Reduce tackiness of formulations, provide dry smooth and silky skin feel

- Smooth feeling with hiding fine lines effect
- Easy to formulate and can be cold processing
- Stable and safe

Application

- Skin care products
- Sunscreen products
- Hair care products
- Make-up
- Antiperspirants, deodorants

Formula guidelines

Typically used at a level of 0.5-95%.

TCE-3063 can be added to the oil-phase or silicone phase in an emulsion formulation. It can be post-added to emulsions if the emulsion is viscous enough for TCE-3063 to be dispersed. For ease of use, its viscosity can be reduced by blending with dimethicone or cyclomethicone. Heated to high temperatures for a long time, with heat temperature below 110 °C.

Storage & Handling

Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Storage

Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks, and flame. Avoid storage with acid-base substances.

Standard Packing: 18 kg/drum, 180 kg/drum

Shelf life: 24months

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