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## Tactile, wear-resistant additives

### RT-3074

#### Features and advantages:

RT-3074 spherical micron particle of silicone elastomer with epoxy group on the surface can be added to the coating, elastomer material to provide a special silky, soft, elastic touch. Due to the heat resistance, UV resistance, lubrication and other characteristics of polysiloxane itself, when RT-3074 is added to the coating and elastomer material, a special island structure is formed, giving the coating and elastomer material UV resistance, scratch resistance and other distinctive characteristics.

RT-3074 itself has the advantages of good dispersion, good lubricity, good hydrophobicity and easy flow.

- \* Provides a special wet, soft, elastic touch
- \* Excellent anchoring performance, easy to precipitate
- \* Improve wear resistance and scratch resistance
- \* Aging resistance
- \* Not easy to absorb moisture
- \* The addition does not affect the coating ability of the elastomer to a variety of polymers



\* Does not affect the chemical resistance of the elastomer

\* The added elastomer still maintains the appropriate mechanical strength

#### Product Specifications:

appearance	White liquid powder
Volatile matter	< 1.0Wt %
Specific gravity	0.98-1.05g/cm <sup>3</sup>
PH value	7.0
Refractive index	1.40-1.41
Mean particle size	2.0, 5.0, 15.0 Pm
ingredient	A spheroidal micron particle of silicone elastomer with an epoxy group

#### Application field:

\* Added to TPU, TPE, TPV and other elastomer materials to provide special silky, soft touch

\* Added to the coating for a special slippery, elastic touch

**Recommended dosage:** Added amount: According to the different needs of touch, surface gloss, etc., the addition amount of RT-3074 in coating and elastomer materials :1-10%

**Packing:** Typical packing is a 10kg plastic bag or a 25kg cardboard bucket lined with a plastic bag. The sample is in a 250g plastic bag.

#### Storage and precautions:



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\* Although the RT-3074 product has the characteristics of low dust, it is still recommended that users wear masks and safety glasses when opening the package and taking materials to strengthen their own protection.

\* In order to ensure good dispersion of RT-3074 in the polymer and maximize its effectiveness, it is recommended to use dispersion equipment such as twin-screw extruders.

\* RT-3074 is always stored in its original unopened packaging at no higher than 35 ° C and has a shelf life of 12 months.