





Wear-resistant feel agent

Overview

NTA-4402 is a high molecular weight polysiloxane with silane alcohol functionality, primarily designed for solvent-based systems. It features excellent wetting, leveling, anti-sticking, high abrasion resistance, scratch resistance, and a wax-like smooth feel.

Physicochemical Properties

Appearance	Milky White	Composition	Silane Alcohol
	Liquid		Functionalized
			Polysiloxane
Density	1.03 g/ml	Solid	≥98.0 %
		Content	
		Solvent	None

Characteristics and Advantages

A high molecular weight polysiloxane containing silane alcohol functionality can form a denser monolayer on the film surface and participate in resin reactions, providing long-lasting smoothness, abrasion resistance, scratch resistance, and anti-adhesive properties.

Enhances leveling, smoothness, and improves wetting.

Excellent abrasion resistance and scratch resistance.

Prevents adhesion.

Provides a wax-like smooth feel.

Particularly suitable for automotive seat leather, sofa upholstery leather, and sports shoe leather.

Dosage 0.05-3% of the total formulation, added during grinding, final dilution

stages, or post-addition.

Application Industries: Coatings, inks, leather coatings, synthetic leather, coatings,

resin modification, etc. Compatible with resins such as acrylic, polyester,

polyurethane, vinyl, polyamide, etc.

Precautions Please dilute with solvent before use. May solidify at low temperatures;

heat in a water bath to restore flowability.

Storage Store between 0-40 $^{\circ}$ C in a cool, well-ventilated area, keep the container

tightly sealed, and keep away from heat and sources of ignition.

Safety Refer to MSDS
Packaging 18 KG/Barrel

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For further detailed information, please contact our company directly

www.new-techem.com

The information provided is compiled based on our current knowledge and is intended for reference only. No guarantees are made. We reserve the right to modify product parameters within the scope of process advancements or product development. Due to the wide range of processing conditions and raw material combinations beyond our control, users are advised to conduct suitability tests before production.

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