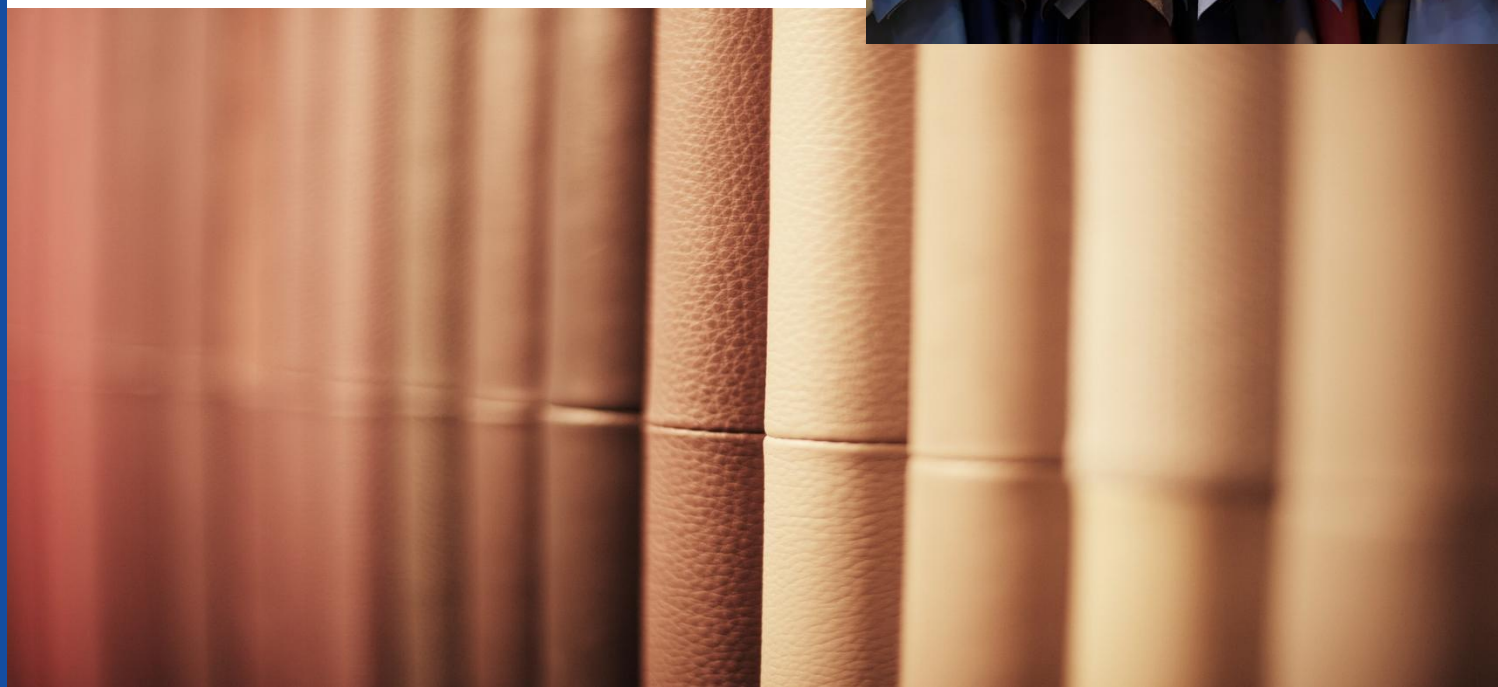
RUISiL

Silicone Polyether Additive

Synthetic Leather



RUISiL@ Modified Resin

	RUISiL	Description
Modified Resin	RJ-7801	**ABA type with polyether groups**. Having good compatibility with organic resins, has certain hydrolysis resistance, can increase decontamination performance, and can be quickly cured under a tin catalyst. Improves leveling, abrasion resistance, and softness.
	RJ-7802	**EO-H type without polyether groups**. Monoethylene glycol-terminated silicone; copolymerized with PU resin, it can provide moisture permeability and hydrophobicity for PU synthetic leather.
	RJ-7805	Linear bifunctional silicone prepolymer with reactive hydroxyl end groups for improved slip, anti-block, mar resistance, surface smoothness, flexibility and hydrophobicity.
	RJ-7812	Double-ended tetrahydroxysilicone oil.
	RJ-7815	**Amino/Methoxy type**, Provides permanent silicone properties for top coats, reacts with polymers, reduces or removes silicone migration issues, improves abrasion resistance, hydrophobicity and hand-feeling.
TPU	RJ-7820	Reactive silicone, improving TPU resin low temperature flex resistance, internal mold release.
	RJ-7822	

RUISiL@ Hand-feeling Agent

RUISiL	System	Slippery	Anti-adhesion	Wear Resistance	Remark
RJ-7872	W/S	Soft	√	√	
RJ-7873	W	Skin			
RJ-7874	W	Slip		√	
RJ-7875	W	Lubricating	√		
RJ-7876	W	Dry-slip			Matting effect available.
RJ-7877	W/S	Silky	√	√	
RJ-7882	W/S	Oil	√	√ √	Better wear resistance.

W = Water; S = Solvent

RUISiL@Wetting/Anti-cratering Agent

RUISiL	System	Anti-cratering	Static wetting	Anti-hydrolysis	Foam suppression	Remark
RJ-7858	W/UV/S	√		√		
RJ-7860	W	√	√			Waterborne Acrylic System.
RJ-7863	W/UV/S	√		√		
RJ-7864	W	√	√			Good low surface tension in neutral environment, not suitable for pH<6 or pH>8.
RJ-7867	W	√	√	√		
RJ-7869	W	√	√			Promote powder removal.
RJ-7870	W/UV/S	√		√	√	

W = Water; S = Solvent; UV = Ultraviolet curing

RUISiL@Cell Regulator

RUISiL	Cell	System	Remark
RJ-7561	Medium to large cells	S-Wet	Improve water-DMF replacement and curing rate.
RJ-7655	Small cells	Wet, MI	Improve water-DMF replacement and curing rate, making BASE soft.
RJ-7663	Large round cells	S-Wet	Improves myogenicity, increases fullness and suppleness, improves breathability.
RJ-7665	Middle round cells	S-Wet	Increase elasticity, toughness and wear resistance, improve waterproof and breathable leather, promote water-DMF replacement and improve leveling.

S-Wet: Solvent Wetting; MI: Microfiber Impregnation

If you need custom cell structure, please contact *RUISiL*

RUISiL@Hydrophobic Agent

RUISiL	System	Description
RJ-7669	Solvent	Increasing coating hydrophobicity.
RJ-7700	Water	

RUISiL@Leveling Agent

RUISiL	System	Slippery	Compatibility	Leveling	Anti-adhesion	Repainting	Remark
RJ-7923	W/UV/S		√	√		√	
RJ-7925	W/UV/S	√	√	√		√	Excellent compatibility.
RJ-7927	W/UV/S	√√		√	√	√	
RJ-7930	UV	√		√			
RJ-7933	W/UV/S	√	√	√		√	
RJ-7934	W/S	√√		√	√		Acting as a nice feel modifier.
RJ-7939	S			√		√	Excellent foam suppress-ion.
RJ-7942	W/UV/S	√	√	√		√	

W = Water; S = Solvent; UV = Ultraviolet curing

RUISiL@Defomer

RUISiL	System	Effective content	Remark
RJ-7901	UV/S	100%	Containing hydrophobic groups.
RJ-7905	S	100%	Special modified product, no surface defects.
RJ-7913	W	100%	Non-ionic polyether, excellent defoaming and anti-foaming ability.
RJ-7916	W	60%	Emulsion, no surface defects.

RUISiL@Release Agent

RUISiL	System	Remark
RJ-7942	S-Dry	Waterproof stripes
RJ-7944	W/S-Dry	Three-dimensional pattern

S-Dry: Solvent dry type; W/S-Dry: Water/Solvent dry type

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