



# Selvol™ Ultalux PVOH Polymer Guide

## Cosmetic Grades for Personal Care Applications

Selvol Ultalux polyvinyl alcohol cosmetic grades safely and effectively impart a range of functional attributes to hair, skin and color cosmetics formulations. Selvol Ultalux polymers offer formulators a range of options, including improved film formation, adhesion and viscosity control for formulating personal care products.

The safety and quality of Selvol Ultalux polymers have been confirmed through third-party laboratory testing. Tests include the Epiderm *in vitro* irritation test and other vital third-party testing that may be required by formulators to assure the quality and efficacy of PVOH and PVOH copolymers in personal care applications.

## Selvol Ultalux Applications Chart

	Selvol Ultalux FP	Selvol Ultalux FA	Selvol Ultalux FF	Selvol Ultalux AD	Selvol Ultalux SC
Anti-aging					
Body Wash					
Brow Make-up					
Contact Lens Storage/Cleaning					
Deodorant/Antiperspirant					
Ethnic Hair Care/Weaves					
Eye Drops/Artificial Tears					
Eye Lash Glue					
Eye Liner					
Eye Shadow					
Hair Styling Gel					
Mascara					
Masks/Peels					
Pore Strips					
Scar Treatment					
Shampoo/Conditioner					



Available in five grades, the Ultalux range offers a wide spectrum of performance attributes. The Sekisui Selvol Ultalux line includes highly functional PVOH copolymer grades, SC and AD. The new offerings provide excellent adhesion, lower viscosity and good tensile strength in film formation. Testing shows that Ultalux SC achieves a 15% improvement in hydration in a facial mask formulation compared with one using a conventional PVOH polymer.

## Ultalux Functional Chart

	Adhesion	Moisturizer	Film Forming	Fixative	Foaming Agent	Fragrance Delivery	Lubricant	Protectant	Tightening	Viscosity Enhancer	Wetting Agent
Selvol Ultalux FP											
Selvol Ultalux FA											
Selvol Ultalux FF											
Selvol Ultalux AD											
Selvol Ultalux SC											

## Ultalux Properties Chart

Grade	INCI Name	Viscosity, cps <sup>1</sup>	pH <sup>2</sup>
Selvol Ultalux FP	Polyvinyl Alcohol	270 - 310	4.5 - 6.5
Selvol Ultalux FA	Polyvinyl Alcohol	5,100 - 5,700	4.5 - 6.5
Selvol Ultalux FF	Polyvinyl Alcohol	22,000 - 26,000	4.5 - 6.5
Selvol Ultalux AD	Vinyl Amine/Vinyl Alcohol Copolymer	450 - 550	11.0 - 12.0
Selvol Ultalux SC	VP/Vinyl Alcohol Copolymer	1,400 - 1,600	4.5 - 7.0

1. Viscosity of a 15% solution, 20°C

2. 4% aqueous solution

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Visit [www.selvol.com](http://www.selvol.com) for more information.

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