



Hair Combing Cream with Intelimer® 8600 Polymer Formulating Guide No. H002

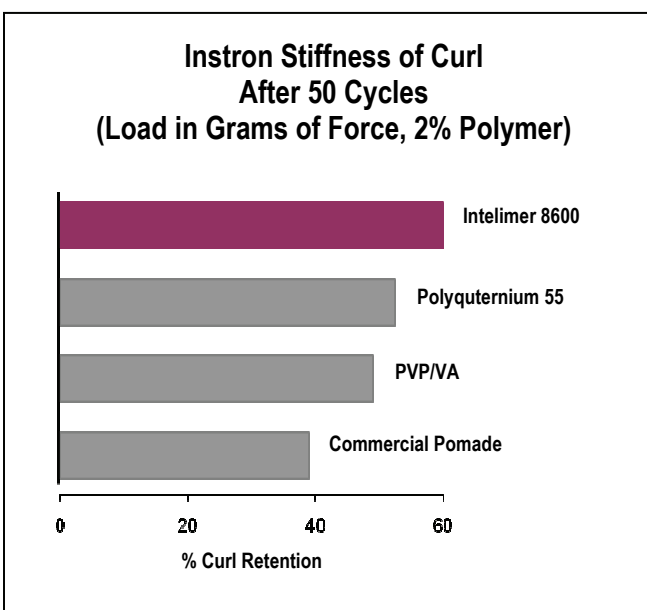
Description

Hair Combing Cream with Intelimer 8600 polymer is designed to give non-tacky, easy to comb, anti-frizz, curl definition, and memory with flexibility properties to hair. Intelimer 8600 polymer provides the ability to style-restyle hair without reapplication of finished product.

Typical Properties

(not to be used as specifications)

Appearance	White emulsion
pH	6.84
Stability	Passed 4 month 50 °C
Viscosity (cPs) Brookfield RVT, 10 RPM, 25 °C, Spindle D)	32,000-42,000



A humidity curl retention test conducted at 90% humidity shows that styling and combing creams based on Intelimer 8600 polymer exhibit better humidity resistance and curl definition when compared with competitive and commercial products.

Ingredient / Trade Name	INCI Designation	%W/W	Function	Supplier
Deionized Water	Water (Aqua)	89.15	Diluent	
Carbopol® 980	Carbomer	0.5	Thickener	Noveon
Triethanolamine	TEA (99%)	0.75	Neutralizer	Ashland
Glycerin	Glycerin	2.0		
Intelimer 8600	C8-22 Alkyl Acrylate/ Methacrylic Acid Cross Polymer	4.1	Fixative	Air Products
Jeesilc® DMC 19-3	PEG-12 Dimethicone	0.5	Conditioner	Jeen Intl
Dow Corning® 200/50	Dimethicone	2.0	Emollient	Dow Corning
Incroquat® CTC-30	Cetrimonium Chloride	0.5	Conditioner	Croda
Germaben® II	Propylene Glycol, Diazolidinyl Urea, Methylparben, Propylparaben	0.5	Preservative	Sutton Lab

Procedure

1. Disperse Carbomer into water while stirring and gently mix until it is fully dispersed.
2. Add all other ingredients including Intelimer 8600 polymer one-by-one while stirring and gently mix for fifteen to twenty minutes.
3. Fill into desired package.

For Samples or More Information

If you would like additional information or technical assistance in preparing specific formulations, write or call Air Products and Chemicals, Inc.

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