

SILFORM™

HYDROFLEX EMULSION



INCI:

Polyacrylate-56

PRODUCT DESCRIPTION

SilForm HydroFlex Emulsion is a silicone organic hybrid, film forming emulsion that upon drying leaves an elastic film with excellent mechanical properties.

Whether used alone or in combination with additional film formers, SilForm HydroFlex emulsion can help improve the transfer and water resistance of a formulation where it can dial in to the desired flexibility needed, which enables long-wear color cosmetics that do not crack or flake off. For hair care applications, the emulsion provides flexible hold and curl memory and definition.

POTENTIAL APPLICATIONS

COLOR COSMETICS
Mascara
Foundations
Liquid eyeliners
Water-based cosmetics
HAIR CARE
Pump sprays
Hair gels
Mousses
SKIN CARE
Moisturizers
Organic and inorganic sunscreens

KEY FEATURES & TYPICAL BENEFITS

Mechanical strength	Gloss
Elastic/highly flexible	Adhesion
Water and oil resistant	Low cyclics level
Compatible with water-based formulations	
COLOR COSMETICS AND SKIN CARE	
Enhanced comfort and wearability	
Durable	
Transfer resistance	
Creates smooth skin	
Prevents moisture loss	
HAIR CARE	
Flexible hold	
Curl memory and definition	
Humidity resistance	
Softness	
Flake free	

TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNIT	VALUE
Appearance	--	Milky white liquid
Actives	%	25
Viscosity (25 °C)	cps	3 - 5
Particle/droplet size	nm	100 - 200
pH	--	6 - 7
D4, D5, D6	ppm	<1000 each

Typical properties are average data and are not to be used as or to develop specifications.

PATENT STATUS

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

LIMITATIONS

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

PRODUCT SAFETY, HANDLING AND STORAGE

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative.

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