



# 山东鲁岳化工有限公司

**Shandong Luyue Chemical Co., Ltd**

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## Polyquaternium-39

### Product introduction:

**Alias:** AA/DADMAC/AM copolymer、AA/DMDAAC/AM copolymer

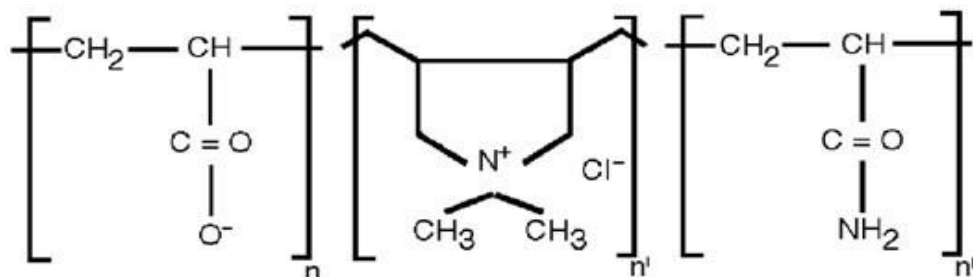
**CAS name:** Dimethyldiallylammonium chloride 、 acrylic acid and acrylamide copolymer

**CAS No.:** 25136-75-8

**Molecular formula:**  $(C_3H_3O_2)_n(C_8H_{16}NCl)_{n'}(C_3H_5NO)_{n''}$

**Molecular weight:** 1.2-1.6×106

### Structural formula:



### Specification:

Code Item	LY PQ-391	LY PQ-392	LY PQ-393
Appearance	Clear viscose liquid		
Solid,%	9.0-11.0	9.0-11.0	10.0-11.0
pH	5.5-7.0	5.5-7.0	6.0-7.2
Viscosity, cps	4000-10000 (#3@12rpm, 25°C)	5500-16000 (#3@6rpm, 25°C)	2000-20000 (#3@6rpm, 25°C)
Color(APHA)	≤20	≤15	≤20

### Use:

**A. Hair Care Products :** Relaxers, Bleaches, Dyes, Shampoos, Conditioners, Styling Products, and Permanent Waves.

- 1.Contributes luster and a soft, silky feel; Provide rich, creamy foam to shampoos
- 2.Provides excellent slip, lubricity and snag-free wet compatibility without excessive buildup
- 3.Imparts excellent dry compatibility
- 4.Panel studies document excellent hair softness and wet hair feel during washing, rinsing and after rinsing
- 5.Helps hold curls without flaking
6. 1.0% as product in shampoo and conditioner

*Our Promise: Sincere Business, First-Grade Quality, First-Class Service and Double Win.*



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3.0% as product in other formulations

**B. Skin Care Products :** Moisturizing Creams, Lotions, Bath Gels, Liquid Soaps, Soap Bars, Shaving Products, and Deodorants.

1.Imparts a smooth, velvety feel; reduces tightness after drying skin

2.Provides excellent moisturization

3.Contributes lubricity which can help make skin care products easier to apply

4.Liquid cleansing products acquire richer foam with improved stability

5. Suggested starting concentration: 1.5% as product

**Package& Storage:**

125kg PE Drum, 200kg PE Drum, 1000kg IBC Tank.

Pack and preserve the product in a sealed, cool and dry condition, and avoid contacting strong oxidants.

**The term of validity:** Two years.

**Transportation:** Non-dangerous goods.

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**Attention:**

(1)Your wise advice about our products will be appreciated to improve our qualities and services.

(2)There is no fixed pattern for application technology, therefore, the customer should base on your own technology and the equipment conditions to execute the program and utilize the product. The application involved in this paper is for your reference merely, the author doesn't bear any responsibility for it.