

Repoly AVP

INCI Name:

Ammonium Acryloyldimethyltaurate/VP Copolymer

CAS Number: 335383-60-3

General Information:

Repoly AVP is a novel synthetic polymer used as gelling agent for aqueous systems and thickener or stabiliser for O / W emulsions. The polymer has been pre neutralized, making it easy to use and does not require neutralization steps. It provides excellent performance in the formula and even has good stability without emulsifiers. It can also be made into oil in water lotion at low pH value, and it is easy to match with tartaric acid.

Specification:

Item	Specification
Appearance (25°C)	White powder
Solid content (%, 105°C, 3 h, 2 g) min	92
Moisture (%) max	7
pH value (25°C, 1% aqueous solution)	4.0-6.0
Viscosity (20°C, 1% aqueous solution, mPa·s)	48000-65000

* These values indicate typical specification; they are not intended to be used as product specifications.

Benefits:

- Products containing Repoly AVP have good dispersibility, fast absorption, no stickiness, and are particularly refreshing. They have a light, thin, and slightly transparent appearance, but also have a certain degree of viscosity.
- It has rheological properties, pleasant skin sensation, low viscosity, and other characteristics.
- Good compatibility with organic solvents such as ethanol and acetone
- Stable under UV light or high shear force
- Stable performance and good compounding effect
- It can be used within the pH range of 4.0 to 9.0.

Application:

- Cosmetics
- Sunscreen
- Skincare products

Formula Guidance:

0.5-1.2%

Storage & Handling:

Standard Packing: 20 kg / carton

Storage: Store in sealed containers and keep in cool, dry, ventilated and lightless place.

Shelf Life: 24 months