ELEMENTIS
SPECIALTIES

Rheology Modifiers For Antiperspirants

ELEMENTIS
SPECIALTIES

Hectorite vs. Bentonite

Advantages of Hectorite over Bentonite…

Lower iron content

Lighter colour

Minimal MeO complexation

Higher swelling capacity

Greater viscosity

Platelet size

Excellent skin-feel

No crystalline silica

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SPECIALTIES

Usage in Antiperspirants

Main Products

- BENTONE 38® V
- BENTONE GEL® IPM V
- BENTONE GEL® ISD V
- BENTONE GEL® VS-5PC V
- BENTONE GEL® VS-5 V

Use Levels:

- Gels: 2 – 15%
- Powders: up to 1.5%

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SPECIALTIES

Application and Benefits

Unique benefits for Aerosols:

- Suspension of actives
- Uniform dosage of actives
- Prevent nozzle blocking
- Less staining and whitening
- Better redispersal of settled actives

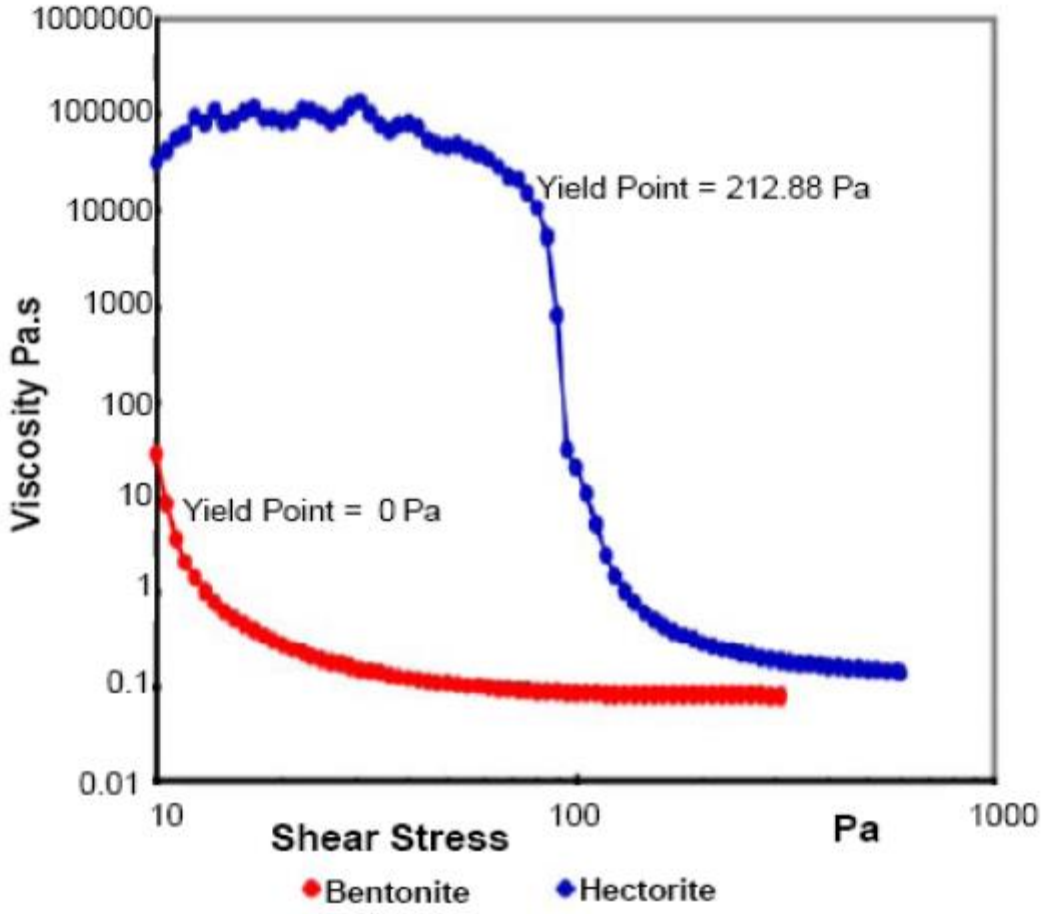
Benefits for others:

- Suspension of actives
- Improves application
- Improves stability
- Thermostable viscosity control
- Enhances skin feel

ELEMENTIS
SPECIALTIES

Suspending Capability

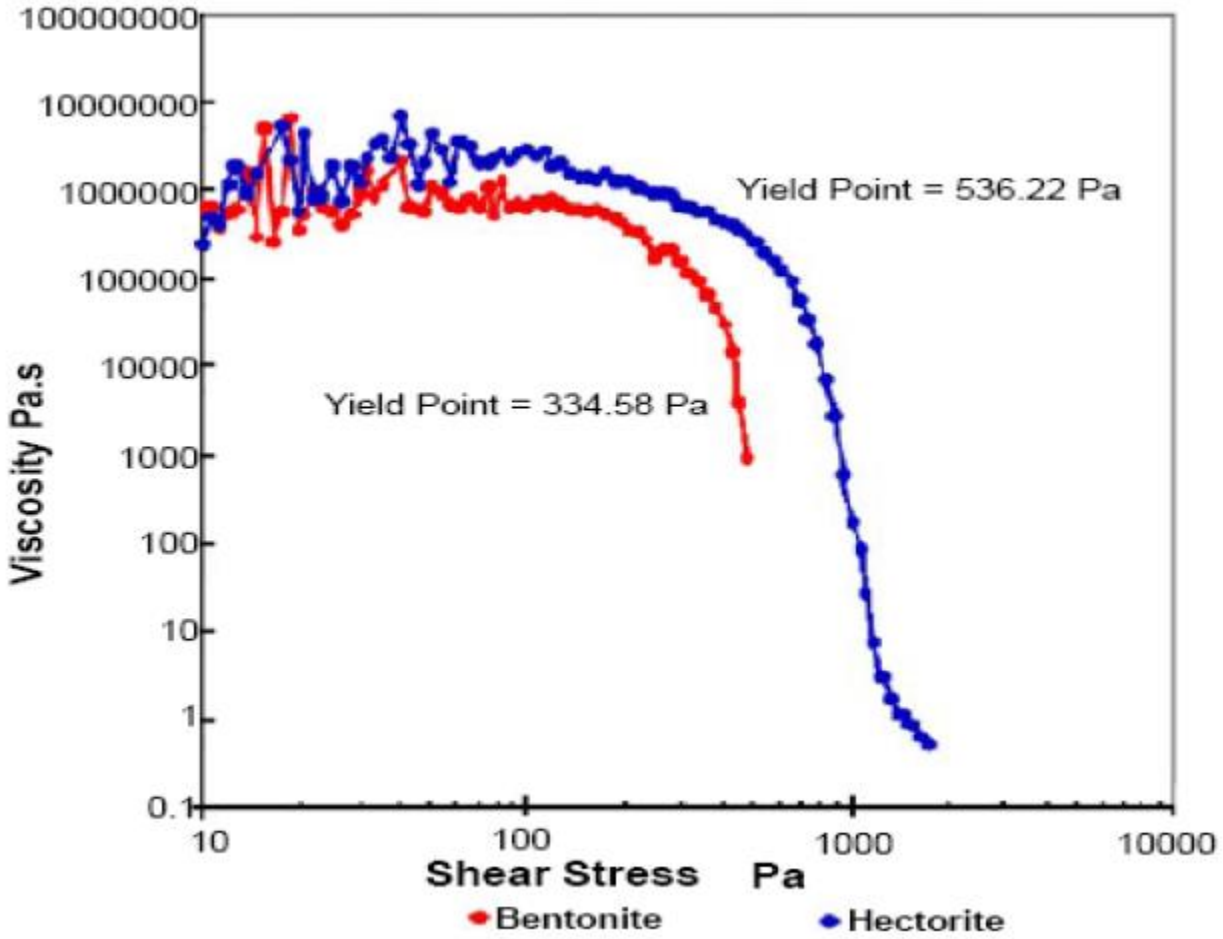
- In Water



ELEMENTIS
SPECIALTIES

Suspending Capability

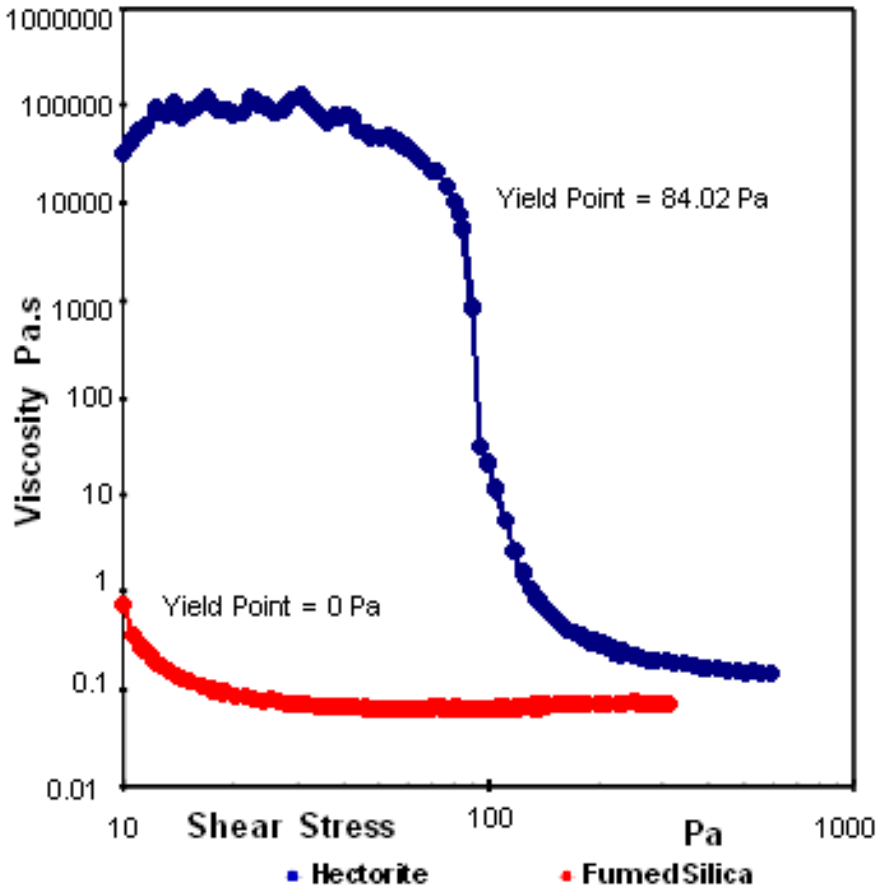
- In Cyclopentasiloxane



ELEMENTIS
SPECIALTIES

Suspending Capability

- In Water

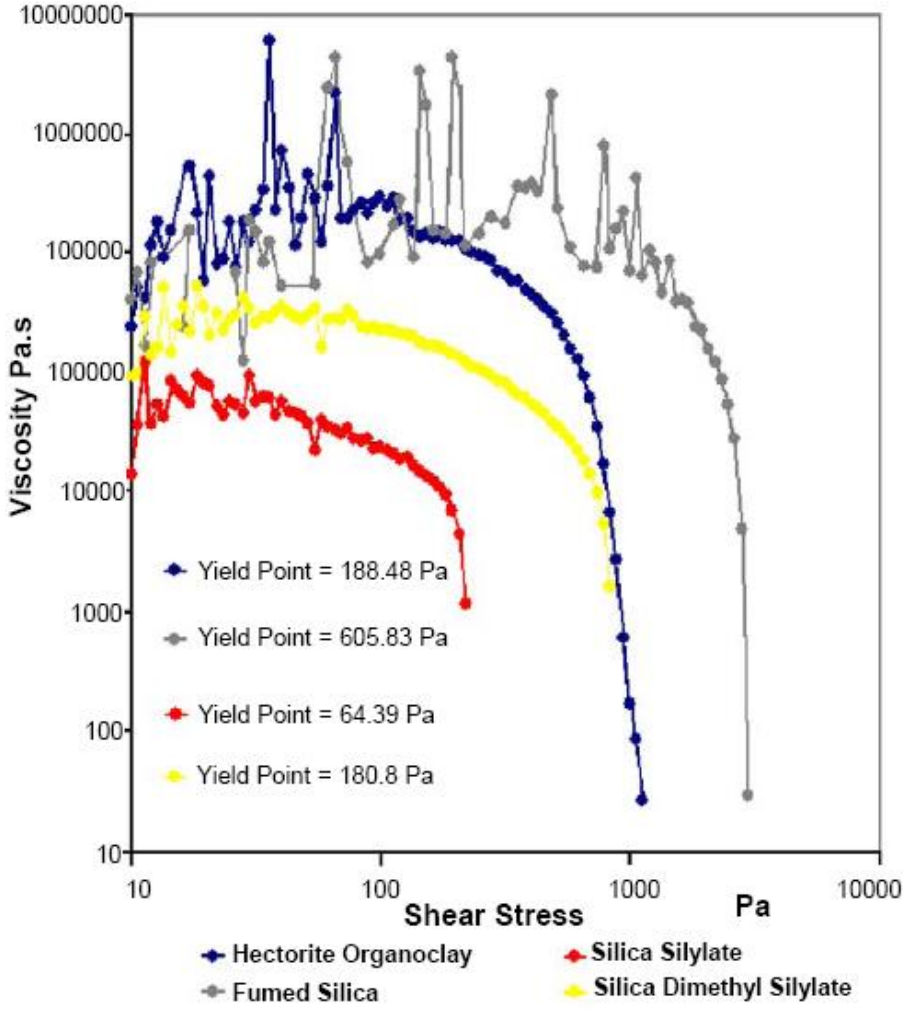


5% Hectorite
10% Fumed Silica

ELEMENTIS
SPECIALTIES

Suspending Capability

- In Cyclopentasiloxane



5% Bentone 38V
5% Silica

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Suspending Capability Test

– 16 seconds after shaking

No Additive	BENTONE® 38 V	BENTONE GEL® VS-5PC V

ELEMENTIS
SPECIALTIES

Suspending Capability Test

– 1 minute after shaking

No Additive	BENTONE® 38 V	BENTONE GEL® VS-5PC V