

## COAD<sup>®</sup> 13 CALCIUM STEARATE SERIES POLYOLEFIN APPLICATIONS:

### DESCRIPTION:

COAD<sup>®</sup> 13 Calcium Stearate Series are high grade calcium stearates developed specifically for polyolefins. Made with a modified fusion process, these products match the performance of precipitated Calcium Stearate in polypropylene. Screen pack plugging and clarity are equivalent to precipitated grades of calcium stearate. The lower cost of the modified fusion process versus the precipitation process allows for an economic replacement of precipitated grades.

### TYPICAL PROPERTIES

	<b>COAD<sup>®</sup> 13 D</b>	<b>COAD<sup>®</sup> 13F</b>	<b>COAD<sup>®</sup> 13M</b>
Appearance	Free flowing, white powder	Free flowing, white powder	Free flowing, white powder
Total Ash, %	9.75	9.75	9.75
Moisture, %	2.0	2.0	2.0
Free Fatty Acid, %	0.5	0.5	0.5
Soluble Salts, %	No soluble salt because it is not a precipitated product	No soluble salt because it is not a precipitated product	No soluble salt because it is not a precipitated product
Mean Particle Size, microns	11	17	225

### APPLICATIONS

- COAD<sup>®</sup> 13 Calcium Stearate Series acts as a catalyst neutralizer and lubricant in polyolefins. Applications include replacement of precipitates grades in polypropylene (thin films and fibers and polyethylene (thin films)).

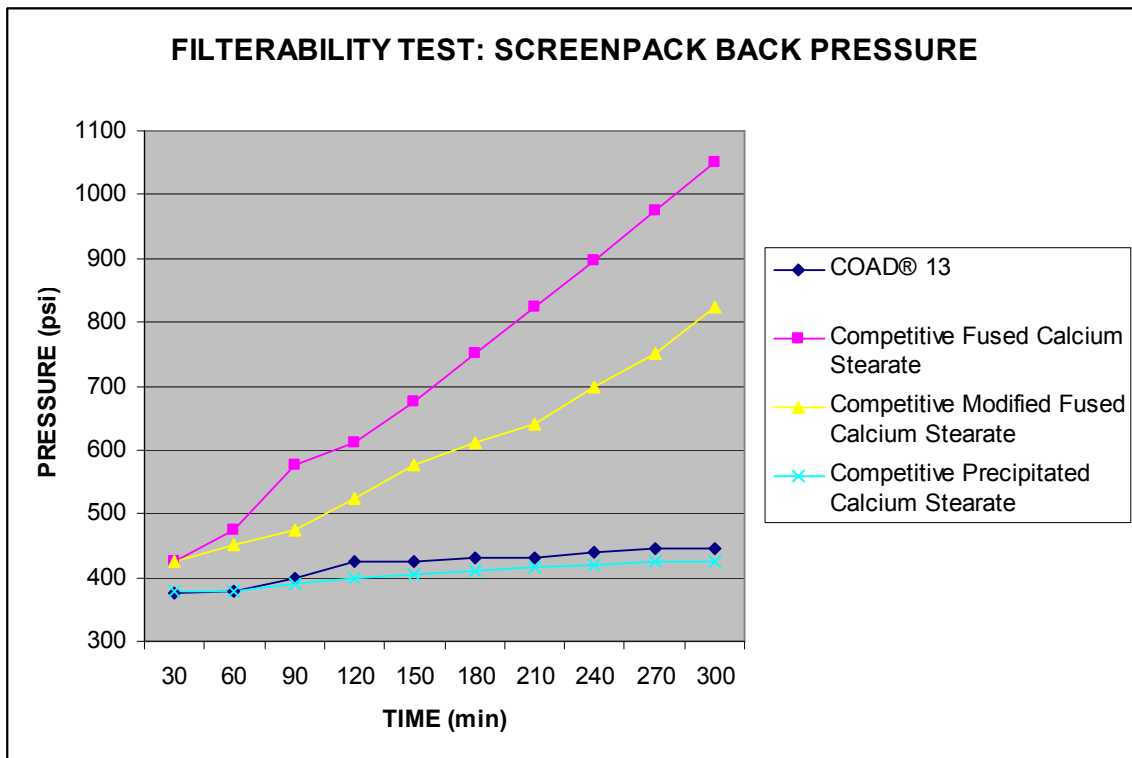
**PERFORMANCE:**

**IMPROVED FILTERABILITY**

Fused calcium stearate is produced using minerals mined from the earth whereas precipitated calcium stearate is produced using completely synthetic raw materials. These synthetic raw materials allow for a somewhat more complete reaction relative to fused grades.

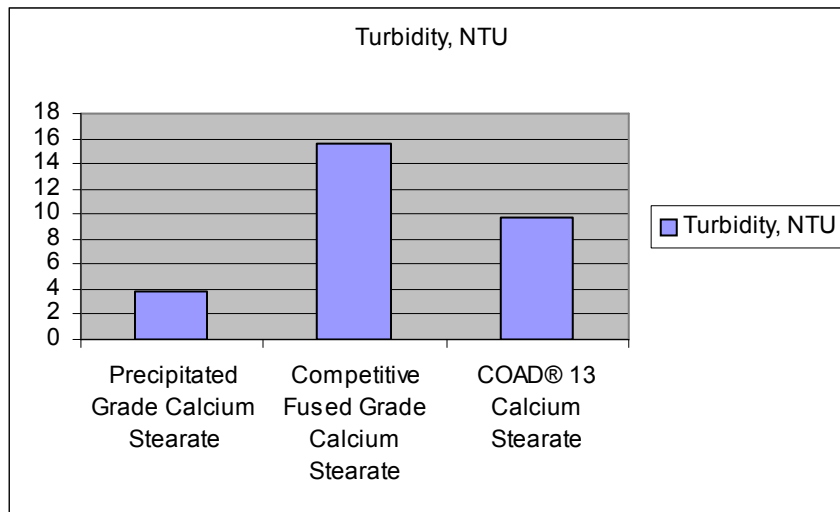
The COAD<sup>®</sup> production process allows for a much more complete reaction than standard fused grade calcium stearates. This leads to the superior performance of COAD<sup>®</sup> 13 series calcium stearates in terms of filterability and clarity. This is demonstrated in the following charts which show a significantly lower pressure build up during polypropylene extrusion with COAD<sup>®</sup> 13 versus standard fused calcium stearate. The same is true with the clarity result.

COAD<sup>®</sup> 13 series calcium stearates approximate the performance of the more expensive precipitated grade and are the clear choice when cost competitive performance is a must.



## IMPROVED CLARITY

Where clarity is an issue, COAD® 13 Calcium Stearate Series has improved clarity compared to other fused grades. This can be seen by measuring the turbidity levels of decalin solubility.





## STORAGE AND HANDLING RECOMMENDATIONS:

- Storage** - Store at ambient temperatures away from sources of heat or from places of extreme moisture.
- Fire** - Use water from a safe distance, preferably with a fog nozzle.
- Handling** - Avoid contact with skin or eyes. Safety goggles are recommended.
- Spills** - Clean up immediately. Sweep up and discard in a closed container.
- Disposal** - Consult Federal, State, and Local regulations. Consult the telephone book or EPA for list of approved disposal companies.
- Other** - See MSDS for COAD<sup>®</sup> 13 for additional health, safety, and environmental information.

## PACKAGING:

COAD<sup>®</sup> 13 Calcium Stearate Series is packaged in 25 lb. and 50lb. multiwall bags, unitized on non-returnable wooden pallets. COAD<sup>®</sup> 13 Calcium Stearate Series also available in 2,000 lb. supersacks. Please contact your Norac sales representative to discuss your special packaging requirements.

### CORPORATE HEADQUARTERS

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