



# Acrawax® C P / M Lubricant

## A Completely Combustible Solution

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### Metals

Acrawax® C P / M Lubricant is 100 % organic and completely combustible leaving no residue on sintered parts. This clean burning lubricant generates no metallic or corrosive by-products which can contribute to environmental emissions and furnace corrosion.

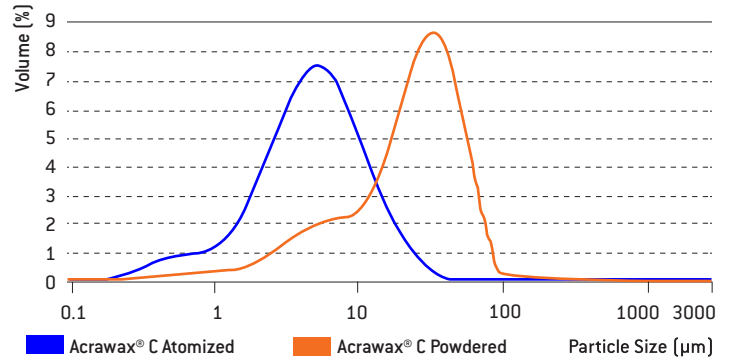


## Ethylene Bis-Stearamide

Precise engineering controls and state of the art production process that yields reliable consistent particles sizes.

- 100 % Organic
- High green and sintered strengths
- High Melting Point
- Available in a range of particle sizes

## Particle Size Distribution



Acrawax® C P / M Lubricant is engineered for use levels of 0.25 to 1.0 %, provides lubrication affording free flowing powder mixes, easy part removal from the die, and can provide for low die wear. It also provides for desirable green and sintering properties.

Understanding the importance of quality and consistency, we manufacture using precision processing and operates under ISO 9001 Standards.

### Typical Physical Properties

Product	Form	Gardner Color	Melting Point ° C	Acid Value	Flash Point ° C	Ash %
Acrawax® C Powder	Finely Ground					
	Waxy Solid	5	1.40 - 1.45	8	285	0.05
Acrawax® C Atomized	Finely Ground					
	Waxy Solid	5	1.40 - 1.45	8	285	0.05

### Particle Size Distribution (Microns)

Product	Particle Size Distribution (Microns)		Product Density (lbs / gal)	
	Dv-50	Dv-80	Loose	Packed
Acrawax® C Powder	25 - 40	35 - 60	4.0	5.0
Acrawax® C Atomized	5 - 8	10 - 16	2.6	3.6

### Product Density (lbs / gal)

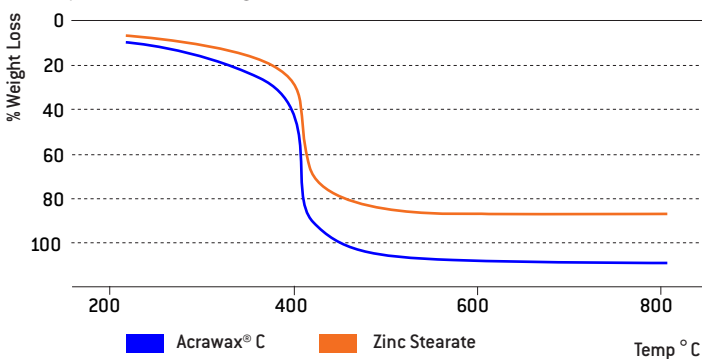
## Delubrication Characteristics

An analysis of delubrication characteristics is depicted comparing TGA curves to illustrate the complete combustion of Acrawax® C P / M Lubricant.

### TGA – Thermogravimetric Analysis

#### Lubricant TGA Curves

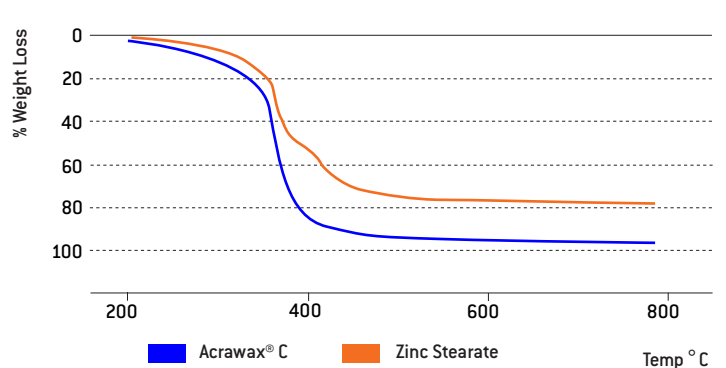
20° C per minute, Endogas at 25 ml / minute



\*Arxada internal data

#### Lubricant TGA Curves

20° C per minute, Nitrogen at 25 ml / minute



\*Arxada internal data



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