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# STEARATES

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### APPLICATIONS:

Zinc and calcium stearate provide lubricity, plasticizing and release properties in polymer systems. Stearates may be added internally into compounds or applied externally to uncured rubber slabs or extrusions. Zinc stearate can replace stearic acid and part of the zinc oxide in a compound and improve processing properties. As a process aid, calcium stearate aids EPDM extrusion smoothness and nitrile release from metal. Calcium stearate is often substituted for zinc stearate in those plants that must reduce zinc in water runoff. The higher melt point of the calcium stearates can be of advantage in high temperature processes. Zinc and calcium stearates have specific gravities of 1.095 and 1.035.

### TYPICAL PROPERTIES: ZINC STEARATE

Akrochem Product	Melt Point °C	Free Fatty Acid %	Moisture %	Total Ash %	Fineness through a 325 Mesh
P-3000 / 3500	120	0.9	0.8	15.0	99.0%
F-3600	120	0.9	0.4	14.0	- - -

P-3000 and P-3500 contain a higher level of zinc for unique activation properties.

F-3600 is a fused, reduced dusting, beaded product with less tendency to bridge.

### TYPICAL PROPERTIES: CALCIUM STEARATE

Akrochem Product	Melt Point °C	Free Fatty Acid %	Moisture %	Total Ash %	Fineness through a 325 Mesh
P-4000	150	0.15	2.5	10.0	99.5%

P-4000 designed primarily for compound addition.

gbp - 9/06, t-stearates

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