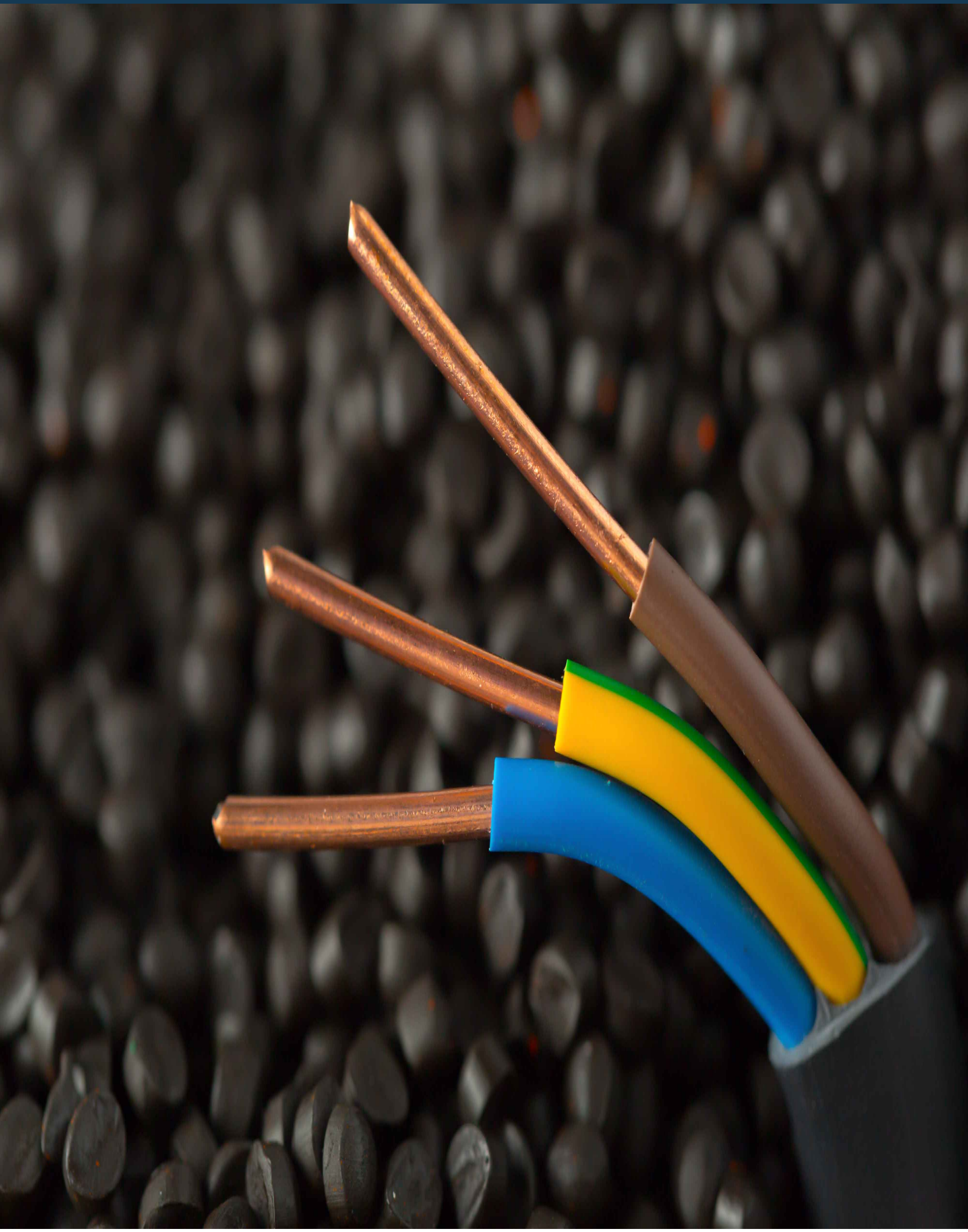


LITHIUM STEARATE IN POLYMERS



Introduction

Lithium Stearate is a white powder and easier to melt as compared to other stearates. It can be used as PVC heat stabilizers in transparent products, when use in conjunction with phthalate plasticizers, the film transparency of products is good and does not appear white mist. Stearates can help reduce the friction between the polymer and a filler, metal or other polymer.

Applications

- 1 In polymer additives, lithium stearate used as mold release agent.
- 2 During the production lithium stearate used for light weight metal moulding .
- 3 It is used as a stabilizing agent in the plastics industry.
- 4 This product can also be used as an external lubricant for nylon, phenolic resin, rigid polyvinyl chloride.

Benefits

- 1 Safe (Approved for food contact application).
- 2 It has good film transparency
- 3 Excellent elasticity and recovery.
- 4 Good stabilizer.



Specifications

Test	Specification	Test Method
Appearance	White Powder	Visual
Melting Point	195-210 Deg C	Melting point apparatus
Sulphated ash	18-24 (% m/m)	Titration
Free fatty acid	≤ 1 (%m/m)	Titration / GC analysis
Moisture	≤ 1 (%m/m)	Karl Fisher/Oven drying
Bulk density	0.15-0.30 g/cc	Packed column
Origin	Vegetable based	Particle size analyzer

Product FDA Status

Lithium Stearate is approved for use in food contact polymer as per the following chapter headings

Title	21-FOOD AND DRUGS
Chapter	I -FOOD AND DRUG ADMINISTRATION DEPARTMENT OF HEALTH AND HUMAN SERVICES
Sub Chapter	B-FOOD FOR HUMAN CONSUMPTION (CONTINUED)
Part	175-INDIRECT FOOD ADDITIVES: ADHESIVES AND COMPONENTS OF COATINGS
Sub Part	C-SUBSTANCES FOR USE AS COMPONENTS OF COATINGS
Section	175.300 RESINOUS AND POLYMERIC COATINGS



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