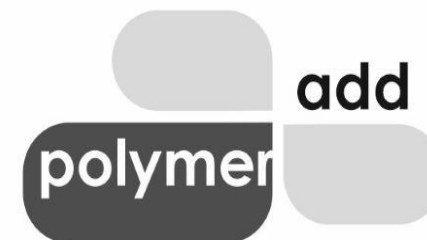


Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

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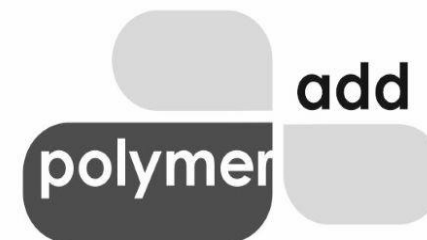
PROPERTY	LITHIUM STEARATE	ZINC STEARATE
	(LIC18H35O2)	(ZN(C18H35O2)2)
Uses and applications	Acts primarily as a thickener	Used widely as lubricant and release agent in polymer processing
	Used as stabilizer against thermal degradation in polymer processing	Improves mold release and reduces friction during processing.
	High-temperature stability, making it ideal for applications requiring resistance to heat.	Versatile and cost-effective.
	Effective for specific high-performance polymers like polyimides or polyether ketones.	Excellent lubricant properties for general polymer processing.
		Works well as a dispersing agent in filled systems, such as calcium carbonate or pigments.
Melting Point	210-220°C	120-130°C
Thermal Stability	High (resists decomposition at higher temperatures)	Moderate

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Lubrication	Moderate lubrication properties	Excellent lubrication properties
Hydrophobicity	Moderate	High
Solubility in Water	Slightly soluble	Insoluble
COMPATIBILITY		
Polymer	Lithium Stearate	Zinc Stearate
Thermoplastics	Suitable for high-temperature applications (e.g., engineering plastics)	Excellent lubricant for general-purpose thermoplastics (e.g., PE, PP, PVC).
Elastomers	Rarely used	Commonly used as a mold release agent.
Engineering Polymers	Effective for high-temperature and high-performance applications.	May not provide sufficient thermal stability.