	<b>ZINC STEARATE</b>				<b>MLA</b> <hr/> <hr/> <b>GROUP</b> <hr/> <hr/>
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<b>UNIFLOW</b>	Doc. No.:MLA/SPECS/60D	Issue No.: 01	Issue Date: 05.04.2007	Replaces: All previous Issues	

## THERMALLY STABLE ZINC STEARATE

**UNIFLOW** is a Zinc Stearate manufactured by a novel process developed by our R & D department having tremendous experience in precipitation and particle size/morphology control technology. The output is a unique combination of lightness and melts transparency/stability in the product and better dispersion in the base polymer. The product is the best of its kind and available in powder as well as flakes form. It comes with the assurance of consistent quality from an ISO-9001/ GMP/ SEDEX certified manufacturing unit and is Food Grade / ROHS/ REACH complaint.

## TYPICAL PHYSIOCHEMICAL PROPERTIES


PROPERTY	UNIT	UNIFLOW TS
Bulk Density <sup>1,3</sup>	gm/cc	0.20-0.25
Electrolytes	%	<0.2
Moisture (105 °C ) <sup>2</sup>	% max	1.0
pH (2% acq. Solution) <sup>4</sup>	--	5.5 -6.5
Ash Content	%	13.5-14.5
ZnO Equivalent	%	13.0-14.0
Heavy Metal (As Lead)	ppm max	10
Arsenic (As)	ppm max	2
Melting Point	°C	118-122
Specific Gravity	--	1.095
Melt Quality	--	Clear & Transparent
Free Fatty Matter	%	<0.5
Iodine Value	gI <sup>2</sup> /100 g	0.50 max
Residue on 325 mesh <sup>5</sup>	%	<1.0
Colour	--	White

1) At the time of packing 2) By IR Moisture Balance 3) IS: 7589-1974 (A-8) 4) IS: 12076-1986(A-2) 5) IS: 2850-1983 (A-5.1)

This information and our technical advice-whether verbal, in writing or by way of trials are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sales and Delivery.

### APPLICATIONS:

- For acid scavenging and lubrication in polyolefins manufacturing.
- For coating on chemicals etc. for free-flow and moisture resistance.
- For Cosmetic, HDPE and other polymers/plastics masterbatches and compounds

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## PURE & LIGHT ZINC STEARATE

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## TYPICAL PHYSIOCHEMICAL PROPERTIES


PROPERTY	UNIT	UNIFLOW (DLI)
Bulk Density <sup>1,3</sup>	gm/cc	0.20-0.25
Electrolytes	%	<0.2
Moisture (105 °C ) <sup>2</sup>	%	<1.0
pH (2% acq. solution) <sup>4</sup>	--	5.5 -6.5
Ash Content	%	13.5-14.5
ZnO Equivalent	%	13.0-14.0
Melting Point	°C	118-121
Melt Quality	--	Clear & Transparent
Colour	--	White
Free Fatty Matter	%	<0.5
Residue on 300 mesh <sup>5</sup>	%	<0.1

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## APPLICATIONS:

- Rubber & EVA sheets as an internal lubricant and for dusting.
- For coating on chemicals etc. for free-flow and moisture resistance.
- For PVC, HDPE and other polymers/plastics.
- Speciality polymer composites

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## PURE AND HEAT STABLE ZINC STEARATE

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## TYPICAL PHYSIOCHEMICAL PROPERTIES

PROPERTY	UNIT	UNIFLOW (DLI)-PC
Bulk Density <sup>1,3</sup>	gm/cc	0.40-0.50
Electrolytes	%	<0.2
Moisture (105 °C ) <sup>2</sup>	%	<1.0
pH (2% acq. solution) <sup>4</sup>	--	5.5 -6.5
Ash Content	%	13.5-14.5
ZnO Equivalent	%	13.0-14.0
Melting Point	°C	118-121
Melt Quality	--	Clear & Transparent
Colour	--	White
Free Fatty Matter	%	<0.5
Residue on 240 mesh <sup>5</sup>	%	< 10.0

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