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|  | MAGNESIUM STEARATE-PRM | | | MLA GROUP |
| | M. L. A. INDUSTRIES, 111/230, HARSH NAGAR, KANPUR Tel. : (0512)-2555292, Fax No. : 0512-2545548 E-mail: sales@mlagroup.com , mktg@mlagroup.com | | | |
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MAGNESIUM STEARATE-PRM

UNIFLOW is a synthetic Magnesium Stearate manufactured by a novel proprietary process developed by our R & D department having tremendous experience in precipitation and particle size/morphology control technology, and recognized by the Department of Scientific and Industrial Research, Government of India. The output is a unique combination of fineness and thermal stability in the product and better dispersion in the base polymer. The product is technically far better than the currently available products, besides the assurance of consistent quality from an ISO 9001:2000 certified unit.

TYPICAL PHYSIO-CHEMICAL PROPERTIES

| PROPERTY | UNIT | UNIFLOW-MS-PRM |
|---|---------|---------------------------|
| Colour & Appearance | - | White Free Flowing Powder |
| Bulk Density ^{1,3} – Loose – Compact* | gm/cc | 0.25 |
| | | 0.32 |
| Moisture (105°C) ² | % | <4.0 |
| Electrolytes | % | <1.0 |
| Residue on 200 mesh ⁵ | % | <0.2 |
| Melting Point | °C | 130±10 |
| Softening Point | °C | 95-105 |
| Melt Quality | -- | transparent |
| Mg content | % | 4.0-5.0 |
| Fe content | Ppm max | 80 |
| Heavy metals as Pb | Ppm max | 20 |
| Free fatty matter | % | <1.0 |
| Nickel | Ppm max | 5 |

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)

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APPLICATION: As an acid scavenger in polymers processing

- As an internal lubricant in polymers processing
- As a water repellent
- As a pharmaceutical ingredient for tablet coating