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# Irgastab® RM 68

## Processing and light stabilizer system for use in rotational molding applications

**Characterization**

Irgastab RM 68 is a blend composed of processing stabilizers and high molecular weight hindered amine stabilizers, specifically designed for rotational molding applications.

**Chemical name**

Proprietary blends

**CAS number**

Preparation

**Applications**

Irgastab RM 68 is a processing and light stabilizer system for polyolefin rotational molding applications. This product is especially suitable for polyethylene rotational molding grades.

**Features/benefits**

Irgastab RM 68 provides outstanding processing characteristics and light stability for rotational molding grade polyethylene. It offers heat time reduction in rotational molding process, especially for low MFI polyethylene. It also offers low initial color, minimal gas fade discoloration and improved mechanical properties to the final products. In addition, the system confers a UV 8 (under ASTM G 155, Cycle I) light stability to polyethylene.

**Product forms**

| | |
|---|---|
| Irgastab RM 68 FF | white to off-white free flowing granules |

**Guidelines for use**

The normal usage levels Irgastab RM 68 in polyethylene range between 0.35 – 0.45 %. It is recommended to be compounded in a minimal stabilized polyethylene grade to achieve desirable benefits.

**Physical properties**

| | |
|---|---|
| Melting range | 50 – 186 °C |
| Softening point | 47 °C |
| Bulk density | |
| FF | 0.40 – 0.50 g/ml |

| **Solubility (20 °C)** | **g/100 g solution** |
|---|---|
| Acetone | < 0.1 |
| Ethyl acetate | < 0.1 |
| n-Hexane | < 0.1 |
| Toluene | 0.3 |
| Water | < 0.01 |

**Health & Safety**

Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant health and safety information sheet.

**Note**

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May 2011

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