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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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