

Product Data Sheet

SIDISTAR® MB F21

1. Product Description

SIDISTAR® Master-Batch series are designed to provide you with easy dispersibility of Sidistar® in thermoplastics. Sidistar® MB F21 contains 50% of Sidistar® T120U in an ethylene acrylate carrier.

2. Application

SIDISTAR® MB F21 has been designed for usage in thermoplastics. Areas of use include flame retardant compounds; foamed PVC; deck board / sheets; wood-plastic composites etc. The product has excellent compatibility with; PVC; ABS; PA; PET and Polyolefins.

3. Packing

The product is available in big bags as well as in LDPE small bags.

Description	Big Bags	Small Bags
Bags on pallet	1 big bag	60 small bags
Net weight 1 bag	1000 kg	20 kg
Net weight on pallet		1200 kg (2646 lb)
Gross weight		1230 kg (2712 lb)
Bag dimensions (L x W x H)		60 x 40 x 15 cm (23.6 x 15.7 x 5.9 in)
Discharge spout		
Bag material		LDPE bag
Cover / protection		LDPE shrink hood
Pallet		Fumigated wood
Pallet dimensions incl bags (L x W x H)		100 x 120 x 190 cm (39.4 x 47.2 x 74.8 in)

4. Storage Conditions

The product is recommended to be stored in a covered dry place, protected from direct UV light. Recommended storage temperature between +5 °C and +40 °C (+45 °F and +104 °F). It's important that the minimum temperature is > 5 °C (9 °F) above the dew point. Recommended relative humidity < 85 %.

5. Shelf Life

We recommend that the product should be used within 2 years from production date.

6. Health, Safety and Environment

The product safety information, as well as REACH information, can be found on our website: www.sidistar.com.

7. Additional Information and contact

For further information about SIDISTAR®, a contact list can be found on our webpage www.sidistar.com. You are also welcome to send your questions to us by email: info@sidistar.com

8. Test Methods

Material data given in this product specification refer to analysis according to Elkem internal standard test methods, which are available upon request.

9. Version / Updates

The information on this product specification may be subject to change. Please check our website www.sidistar.com, for latest updates, and discard all older versions.

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SIDISTAR®

THE INORGANIC POLYMER ADDITIVE

SIDISTAR[®] MB F21

10. Physical Data and Chemical Properties

Properties	Test Method	Unit	Limits:
MFI (2,16 kg, 170°C)	UNE EN ISO 1133	g/10 min	21.0 +/- 2.0
Density	UNE EN ISO 1183	g/cm ³	1,27+/- 0.3

Other Properties

Typical Values**

Melt temperature (DSC)	ISO 11357	°C	95
Bulk density (when packed)	ESM-LAB-08	kg/m ³	0.746 +/- 0.1
Vicat softening point (10N, 50 °C/h)	ISO 306	°C	73,5
Tensile Strength	EN 60811	N/mm ²	9,4
Elongation at break	EN 60811	%	70.7
H ₂ O content (when packed)	ESM-LAB-02	%	0.05

** Typical values are for indicational use only, values are not part of Elkem Silicon Materials standard analysis.

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