

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.

SIDISTAR® is a registered trademark of Elkem ASA.

This product data sheet is property of Elkem ASA and may not without its written permission be used, copied or made available to others. The receiver is responsible for any misuse.

Revised May 2020 © Copyright Elkem ASA

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
H₂O 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.

SIDISTAR[®] is a registered trademark of Elkem ASA.

This product data sheet is property of Elkem ASA and may not without its written permission be used, copied or made available to others. The receiver is responsible for any misuse.

Revised May 2020 © Copyright Elkem ASA