

# Product data sheet

## SIDISTAR® MB F21

**Elkem ASA Silicon Products**  
 Drammensveien 169 P.O. Box 334  
 Skøyen NO-0213 OSLO  
 www.elkem.com

**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.

**Applications** 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.

### Chemical analysis & physical data

Properties	Test Method	Unit	Limits
Density	EN ISO 1183	g/cm <sup>3</sup>	1,29 ± 0.3
Properties	Test Method	Unit	Typical Values**
Melt temperature (DSC)	ISO 11357	°C	95
Bulk density (when packed)	ESM-LAB-08	kg/dm <sup>3</sup>	0,746 ± 0.1
Vicat softening point (10N, 50 °C/h)	ISO 306	°C	73.5
Tensile Strength	EN 60811	N/mm <sup>2</sup>	9.4
Elongation at break	EN 60811	%	70.7
H <sub>2</sub> 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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### Packaging

	1 big bag	60 small bags
Bags on pallet	1 big bag	60 small bags
Bag material	Coated woven polypropylene fabric	LDPE bag
Cover / protection	LDPE shrink hood	LDPE shrink hood
Pallet	Fumigated wood	Fumigated wood

### Dimensions (metric)

Net weight 1 bag	1000 kg	20 kg
Net weight on pallet	1000 kg	1200 kg
Gross weight		1230 kg
Bag dimensions (L x W x H)		60 x 40 x 15 cm
Discharge spout		
Pallet dimensions incl bags (L x W x H)		100 x 120 x 155 cm

### Dimensions (imperial)

Net weight 1 bag		44 lb
Net weight on pallet		2646 lb
Gross weight		2712 lb
Bag dimensions (L x W x H)		23.6 x 15.7 x 5.9 in
Discharge spout		
Pallet dimensions incl bags (L x W x H)		39.4 x 47.2 x 61 in

**Storage and handling** 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 %.

**Shelf life** We recommend that the product should be used within 2 years from production date

**Health, safety & environment** The product safety information, as well as REACH information, can be found on our website: [www.sidistar.com](http://www.sidistar.com).

**Quality assurance** Elkem's management system is certified to ISO 9001:2015.

**Sustainability** For Elkem, sustainability is central to our business strategy. Our mission is to provide advanced material solutions shaping a better and more sustainable future, adding value to our stakeholders globally. We are committed to reducing in embodied carbon emission. For further information, please visit [www.elkem.com/sustainability/](http://www.elkem.com/sustainability/) or contact us to learn more about our sustainability roadmap.

**Additional information and contact** For further information about SIDISTAR®, a contact list can be found on our webpage [www.sidistar.com](http://www.sidistar.com)