

Technical data sheet

BMC 396 FC

BMC 396 FC is a bulk moulding compound based on an unsaturated polyester resin.

BMC 396 FC is a conductive compound, has been developed to produce the bipolar plate for the hydrogen battery.

BMC 396 FC is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Linear shrinkage	ISO 2577	%	0,3
Density	ISO 1183	g/cm ³	1,7
Flexural strength	ISO 14125A	MPa	20
Flexural modulus	ISO 14125A	MPa	9.000
Compression strength	ISO 604	MPa	15
Impact strength (Charpy)	ISO 178	KJ/m ²	2
Surface Electrical resistivity axes x,y	Internal method	mΩ.cm	20
Electrical resistivity axe z	Internal method	mΩ.cm	35

Properties were determined on compression-moulded specimens according to UNIPLAST rules project 412 and 413

Storage and processing conditions

Storage	in a dry place at 15-25°C, out of direct sunlight
Moulding time	30 s/mm
Moulding pressure	60 - 110 bar
Moulding temperature	140 - 160°C

Note: The information contained in this sheet is correct and accurate and it is based on our technical and scientific knowledge and on literature at the date of going to press. Such information relates only to the use of the products in the pure state and for the purposes stated herein. Nothing stated here may be taken or construed as implying of any existing patents. Nor is any warranty, whether explicit or implicit, given with regard to results to be obtained through the use of the aforesaid information.

