



Data Sheet

Menzolit® BMC 0180

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Product identification

Menzolit® BMC 0180 is a bulk moulding compound based on unsaturated polyester resin. The product is glass fibre reinforced and contains mineral fillers. In case of fire the product doesn't melt, neither does it form droplets nor is smoke generation excessive. The material is injection moulded in heated steel moulds. It is recommended to work with chrome plated tools. The product contains no halogens.

Product description

Menzolit® BMC 0180 general purpose BMC for electrical applications. Product according to type 803 DIN 16911. The glass content is on a level that combines good mould ability with good strength and stiffness properties. Typical applications are lamp housings, canopies, housings and covers in the electrical industry.

Physical properties

Physical properties	Standards	Units	
Material code	ISO 11469		>UP-(MD+GF)73<
Fibre Content UD, total	EN ISO 1172	%	20
Moulding Temperature	M	°C	135-150
Moulding Pressure	M	bar	20-80
Density	ISO 1183	g/cm**3	1,80
Shrinkage *)	ISO 2577	%	0,15
Post Moulding Shrinkage	DIN 53464	%	0,00
CTE	ISO 11359-2	10**-6m/m.K	10,00
Heat Distortion Temp.	EN ISO 75-2	°C	>130
Glass Transition Temp.	ISO 11357-2	°C	170
Continous Service Temp.	M	°C	165
Young's Modulus	EN ISO 527-4	GPa	13
Tensile Strength	EN ISO 527-4	MPa	31
Flex Strength	EN ISO 14125	MPa	99
Flex Modulus	EN ISO 14125	GPa	10
Impact Strength	EN ISO 179	kJ/m**2	29
Limited Oxygen Index	EN ISO 4589-2	%	30,00
Glow Bar	IEC 60707-3	Level	BH 2 <= 10
Fire Retardancy	UL 94	mm & Level	3 mm, V0
Glow Wire	IEC 60965-2-1	°C	960
Volume Resistivity	IEC 60093	Ohm*cm	1,00E+15
Surface Resistivity	IEC 60093	Ohm	1,00E+12
Comperative Tracking Index	IEC 60112	Level	CTI600
Water Absorption	ISO 62	%	< 0,5

* Negative values indicate expansion.

Form of supply

Menzolit® BMC 0180 is packaged in styrene tight bags and placed in cardboard or wooden boxes. Various kinds of packaging available. For further details ask our technical service team. It is available in all colours.

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Properties given are the mean value of test results, and taken from non pigmented, compression moulded panels at room temperature. Our products are manufactured according to ISO 9002 standards, a Safety Data Sheet according to 91/155/EWG is available.

Notice: We make no warranty or representation as to the suitability of the product or information herein for any particular application. The determination of the suitability of the above information for any particular use is solely the responsibility of the user. For further information please contact your local Menzolit Technical Service Team for assistance or see www.menzolit.com.