

1311

BMC Low Shrink Polyester

Technical Data Sheet

Date : January 2020

Description :

BMC 1311 is a not pigmented BMC reinforced with chopped glass fibres (13 mm).

BMC 1311 is adapted for applications need good flow behaviour.

Moulding features (*) :

	Unit	Test method
Reactivity		ISO 12114
• Moulding T°C :	°C	144
• Thickness :	mm	4.1
• Cure time :	s	33
Density		1,75 NFT 51063
Shrinkage	%	0,079 ISO 1842

(*) Compression moulding

Use recommendations :

Compression molding
High temperature around 150°C under high pressure 80 bars

Application :

- Isolator for railway

COMPOSITION

Product nature	Unit	Ratio
Glass fibres content	%	25
Resins content	%	29
Fillers content	%	44
Other products content	%	2

APPEARANCE

	Unit		
Packaging :	kg	Blocks in cardboard	2 cardboards per palett

MECHANICAL PROPERTIES (*)

	Unit	Test method
Flexural test		ISO 178
- Breaking stress	MPa	150
- Elastic modulus	MPa	10000
Impact test (Charpy)	kJ/m ²	40 ISO 179

(*) Compression moulding

OTHER PROPERTIES

	Unit	Test method
Oxygen limit index	%	29,5 ISO 4589-2