

1601 BMC LP Polyester

Technical Data Sheet

Update : June 2018

Description :

1601 is a BMC reinforced with chopped glass fibres (6 mm)
1601 is a not pigmented BMC adapted for applications need good flow behaviour and quality surface.

Moulding features (*) :

	Unit	Test method
Reactivity		ISO 12114
• Moulding T°C :	°C	145
• Thickness :	mm	3
• Cure time :	s	21
Density		2,00 NFT 51063
Shrinkage	%	-0,08 NF EN 1842

(*) Compression moulding

Use recommendations :

Injection molding.
High temperature around between 140 and 150°C

Application :

Headlamp

COMPOSITION

Product nature	Unit	Ratio
Glass fibres content	%	10
Resins content	%	19
Fillers content	%	69
Other products content	%	2

APPEARANCE

	Unit	
Blocks in cardboard	kg	2 cardboards per palett
Colour		Not pigmented

MECHANICAL PROPERTIES BY COMPRESSION MOLDING AT 23°C

Moulding conditions		
Temperature	°C	145
Thickness	mm	3
Curing time	sec	40
Covering	%	60
weight	g	180

	Unit	Test method
Flexural test (*)		ISO 178
- Breaking stress	MPa	90
- Elastic modulus	MPa	12000
- Deviation at break	mm	ND
Impact test (Charpy)(**)	kJ/m ²	10 ISO 179
Tensile test (***)		ISO 527
- Breaking stress	MPa	ND
- Elastic modulus	MPa	ND
- Elongation at break	%	ND

(*) Average on laboratory batch

(**) Average on 3 productions

(***) Average on the 10 production

MECHANICAL PROPERTIES BY INJECTION MOLDING AT 23°C

Moulding conditions		
Temperature	°C	ND
Thickness	mm	ND
Curing time	sec	ND
Covering	%	ND
Part size	mm	ND
Weight	g	ND

	Unit	Perp/Para	Test method
Flexural test(*)			ISO 178
- Breaking stress	MPa	ND	
- Elastic modulus	MPa	ND	
- Deviation at break	mm		
Tensile test (**)			ISO 527
- Breaking stress	MPa	ND	
- Elastic modulus	MPa	ND	
- Elongation at break	%	ND	

(*) Average on the 10 production

(**) Average on the 10 production



MIXT COMPOSITES
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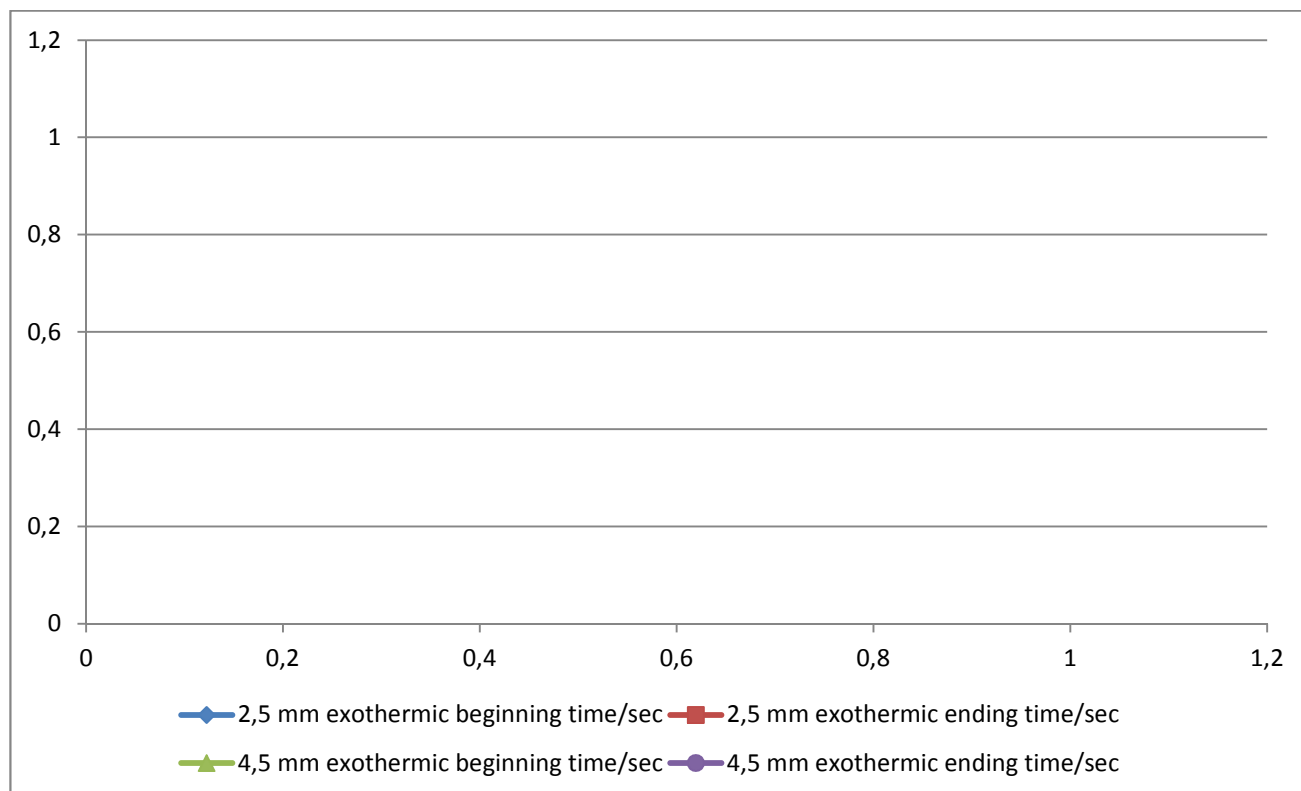
OTHER PROPERTIES

	<i>Unit</i>		<i>Test method</i>
HDT-A	°C	>230	ISO 75-2
Burning Speed	mm/min	<80	ISO3795/FMVS302

Reactivity :

The reactivity datas below are given as a technical information.

MCR.O4.PR.01.FO.16 Fiche Technique



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