

# 8772

## BMC LP Polyester fibre de lin

### Technical Data Sheet

Update : January 2020

### Description :

8772 is a BMC reinforced with chopped flax fibres (6 mm or 13mm)  
8772 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	4,3
• Cure time :	s	60
Density		1,70 NFT 51063
Shrinkage	%	-0,01 NF EN 1842

(\*) Compression moulding

### Use recommendations :

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

### Application :

Building application

### COMPOSITION

Product nature	Unit	Ratio
Flax fibres content	%	10
Resins content	%	27
Fillers content	%	60
Other products content	%	3

### 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	4,3
Curing time	sec	90
Covering	%	60
weight	g	220
Unit		
Test method		
Flexural test (*)		ISO 178
- Breaking stress	MPa	40
- Elastic modulus	MPa	7000
- Deviation at break	mm	1,2
Impact test (Charpy)(**)	kJ/m <sup>2</sup>	3 ISO 179
Tensile test (***)		ISO 527
- Breaking stress	MPa	ND
- Elastic modulus	MPa	ND
- Elongation at break	%	ND

(\*) Average on 3 laboratory batches

(\*\*) Average on 3 laboratory batches

(\*\*\*)

### 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  
RECYCLABLES

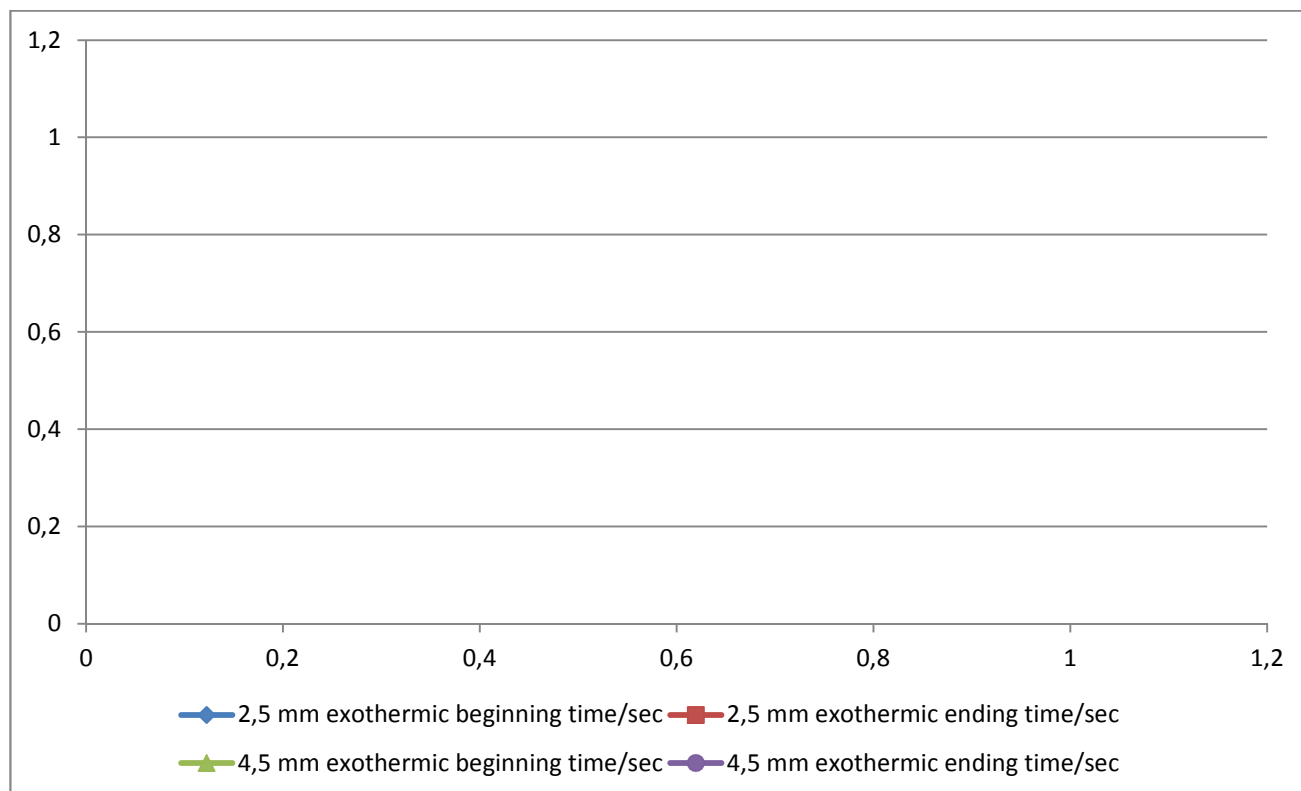
## OTHER PROPERTIES

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

### Reactivity :

**The reactivity datas below are given as a technical information.**

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



**Mixt Composites Recyclables**  
ZI les îles Féray – BP 94 07302 Tournon-sur-Rhône  
Tel. : +33 4 75 07 18 18 - Fax : +33 4 75 07 11 77