

## Technical data sheet

### SUP 6000-1001 (1210)

**SUP 6000-1001 (1210)** is a bulk moulding compound based on an unsaturated polyester resin, fire retardant grade, reinforced with glass fibres. This BMC has been developed for façade panels. **SUP 6000-1001 (1210)** joints excellent fire protection grade and high weathering resistance **SUP 6000-1001 (1210)** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

**Material code ISO 11469 >UP-(MD+GF)70FR(60)<**

#### Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass		%	5
Linear shrinkage	ISO 2577	%	0,3
Density	ISO 1183	g/cm <sup>3</sup>	1,9
Water absorption	ISO 62 Met. 1	%	≤ 0,2
Flexural strength	ISO 14125A	MPa	40
Flexural modulus	ISO 14125A	MPa	11.000
Impact strength (Charpy)	ISO 179	KJ/m <sup>2</sup>	10
Rockwell hardness (M scale)	ISO 2039-2	HRM	80
Surface resistivity	IEC 93	Ω	10 <sup>14</sup>
Fire behaviour	DIN 4103	Class / mm	B1 / 3
Flammability	UL 94	Class / mm	V0 / 1,6

Properties were determined on compression-moulded specimens according 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	70 - 110 bar
Moulding temperature	140 - 150°C

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