

**BONDDISC GB MELAMINE COLOURS**

**Bonddisc GB Melamine Grades are mineral and cellulose filled compounds, formulated to combine heat resistance and rigidity, with dimensional stability under extreme conditions. Granulation and mould injection characteristics are designed for automatic compression moulding.**

<u>Powder Properties</u>	<u>Method of Test</u>	<u>Units</u>	
Bulk Factor	ISO171	-	2.4 - 2.7
Powder Density	ISO860	g/cm <sup>3</sup>	0.55 - 0.60
Pourability	-	-	Excellent
Pelleting Properties	-	-	Excellent
Storage life at room temperature	-	-	12 months
<u>Moulded Properties</u>			
Colour	-	-	Various
Specific Gravity	ISOR1183	-	1.55 - 1.65
Mould Shrinkage	ISO2577	%	0.20 - 0.40
Post Shrinkage	ISO2577	%	0.20 - 0.30
Water Absorption	ISO62	mgm	15 - 25
Flexural Strength	ISO178	MPa	69 - 83
Charpy Impact Strength	ISO179		
- notched		KJ/m <sup>2</sup>	3.0 - 3.5
- unnotched		KJ/m <sup>2</sup>	4.5 - 6.0
Tensile Strength	ISOR527	MPa	50 - 55
Electrical Strength @ 90°C	IEC243	MV/m	100 - 200
Insulation Resistance	IEC167	Ohm	10 <sup>10</sup> - 10 <sup>11</sup>
Heat Deflection Temp 1.81 MPa	ISO75	°C	170
Tracking Resistance	IEC112	volts	175
<u>Moulding Conditions</u>			
Temperature °C			130 - 170
Compression pressure			1 - 2 Tonne/in <sup>2</sup>
Cure time (BS 771 cup)			60 - 100 secs

For Handling and Safety requirements, please see separate leaflet "Recommendations for the safe handling and use of **MOULDING COMPOUNDS THERMOSET MOULDING MATERIALS**". The above information is supplied in good faith, but does not represent acceptance of any liability for loss or damage arising from the use of **MOULDING COMPOUNDS** products. Users should satisfy themselves that the products are suitable for the intended use.

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