



DATA SHEET: VACUUM CASTING RESIN 8040

Description:	Low viscosity , good all-round material, similar to polypropylene (PP)		
Features:	Excellent flow properties, easy to colour		
Suitable for:	Thin wall section moulding		
Cured Properties	Test/ISO standard where applicable		
Colour	White		
Transparency	Opaque		
Shore hardness	At 23 °C	70 D	868
	At 60 °C	64 D	
	At 80 °C	37 D	
Flexural strength	42 N/mm ²		178
Flexural modulus	1050 N/mm ²		178
Tensile strength	27 N/mm ²		R 527
Tensile modulus	942 N/mm ²		R 527
Izod impact	15 kJ/m ²		180
Yield strength	Not measured		R 527
Elongation yield	Not measured		
Elongation at break	50%		R 527
Tear Strength	Not measured		34
Thermal Conductivity	0.201 W/mK		BS 874
Heat deflection temperature	65 °C	(test piece 110 mm x 12.7 mm x 6.4 mm)	
Glass transition temperature	78 °C		
Processing Information	Notes		
Viscosity	Part A	1200 cPs	At 25 °C
	Part B	140 cPs	
Specific gravity	Part A	1.05	At 25 °C
	Part B	1.22	
Mix ratio A:B	110:90		By Weight
Mixing Time	30 s to 60 s		
Resin temperature	40 °C		Heating Chamber
Mould temperature	70 °C		Heating Chamber
Curing temperature	70 °C		Heating Chamber
Curing time in mould	90 to 120 min		
Pot life	300 s		100 g at 25 °C
Post curing process	None		
Typical shrinkage	0.50%		

The information in this data sheet is provided for general guidance only and must not be relied upon as a definitive statement of the product's properties or suitability. CBM will not be liable for the consequences of any decision by you to use the product and you must conduct your own testing to determine whether or not the product is suitable for your needs.