

DATA SHEET: VACUUM CASTING RESIN SG95

Description:		Similar to ABS
Features:		Excellent all-round properties, strong, optical properties
Suitable for:		Snap fits, low temperature application, colour matching
Cured Properties		Test/ISO standard where applicable
Colour	Colourless	
Transparency	Transparent	
Shore hardness	At 23 °C 82 D At 60 °C 77 D At 80 °C 74 D	868
Flexural strength	88.6 N/mm ²	178
Flexural modulus	2195 N/mm ²	178
Tensile strength	54 N/mm ²	R 527
Tensile modulus	2521 N/mm ²	R 527
Izod impact	7.3 kJ/ m ²	180
Yield strength	64.2 N/mm ²	R 527
Elongation yield	6%	
Elongation at break	12%	R 527
Tear Strength	Not measured	34
Thermal Conductivity	0.208 W/mK	BS 874
Heat deflection temperature	72 °C	(test piece 110 mm x 12.7 mm x 6.4 mm)
Glass transition temperature	85 °C	
Optical Properties	Refractive Index 1.51 Transmissivity 88.1 Diffused lights 0.9 Paralleled lights 87.2	
Processing Information		Notes
Viscosity	Part A 1300 cPs Part B 130 cPs	At 25 °C
Specific gravity	Part A 1.07 Part B 1.19	At 25 °C
Mix ratio A:B	100:150	By Weight
Mixing Time	45 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	45 min	
Pot life	300 s	100 g at 25 °C
Post curing process	None	
Typical shrinkage	0.2%	

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.