

## DATA SHEET: VACUUM CASTING RESIN 9070

<b>Description:</b>		Medium hard rubber
<b>Features:</b>		Excellent optical properties, perfect clarity – any colour can be matched
<b>Suitable for:</b>		Seals and gaskets
<b>Cured Properties</b>		<b>Test/ISO standard where applicable</b>
Colour	Colourless	
Transparency	Transparent	
Shore hardness	At 23 °C      70 A At 60 °C      67 A At 80 °C      Not measured	868
Flexural strength	68 N/mm <sup>2</sup>	178
Flexural modulus	2460 N/mm <sup>2</sup>	178
Tensile strength	4.3 N/mm <sup>2</sup>	R 527
Tensile modulus	Not measured	R 527
Izod impact	Not measured	180
Yield strength	Not measured	R 527
Elongation yield	Not measured	
Elongation at break	225%	R 527
Tear Strength	20 N/mm <sup>2</sup>	34
Thermal Conductivity	0.198 W/mK	BS 874
Heat deflection temperature	Not measured	(test piece 110 mm x 12.7 mm x 6.4 mm)
Glass transition temperature	Not measured	
<b>Processing Information</b>		<b>Notes</b>
Viscosity	Part A      1000 cPs Part B      160 cPs	At 25 °C
Specific gravity	Part A      0.98 Part B      1.18	At 25 °C
Mix ratio A:B	100:50	By Weight
Mixing Time	30 s to 40 s	
Resin temperature	40 °C	Heating Chamber
Mould temperature	70 °C	Heating Chamber
Curing temperature	70 °C	Heating Chamber
Curing time in mould	180 min	
Pot life	240 s	100 g at 25 °C
Post curing process	None	
Typical shrinkage	0.30%	