

DATA SHEET: VACUUM CASTING RESIN 5170

Description:		Rigid, high temperature
Features:		Tough, impact resistant material, good stability at high temperatures
Suitable for:		Under bonnet, engine covers
Cured Properties		Test/ISO standard where applicable
Colour	Amber	
Transparency	Opaque	
Shore hardness	At 23 °C 80 D At 60 °C Not measured At 80 °C Not measured	ASRM D-2240
Flexural strength	103 N/mm ²	ASTM D-790
Flexural modulus	2245 N/mm ²	ASTM D-790
Tensile strength	72 N/mm ²	ASTM D-638
Tensile modulus	Not measured	ASTM D-638
Izod impact	64 j/m	ASTM D-256
Yield strength	Not measured	
Elongation yield	Not measured	
Elongation at break	15%	ASTM D-638
Tear Strength	Not measured	
Thermal Conductivity	Not measured	
Heat deflection temperature	130 °C	ASTM D-648
Glass transition temperature	Not measured	
Processing Information		Notes
Viscosity	Part A 1150 cPs Part B 1000 cPs Part C 1000 cPs	At 25 °C
Specific gravity	Part A 1.20 Part B 1.19	At 25 °C
Mix ratio A:B	55:100	By Weight
Mixing Time	45 s	
Resin temperature	40 °C	Heating Chamber
Mould temperature	70 °C	Heating Chamber
Curing temperature	70 °C	Heating Chamber
Curing time in mould	60 min	
Pot life	180 s	100 g at 25 °C
Post curing process	None	
Typical shrinkage	0.2% to 0.5%	ASTM D-2566