

# 2185 Spec Sheet

MCP Vacuum Casting Resin	2185
Properties	rigid / high temperature
Product Colour	black
Hardness (Shore A/D) @ 23°C	80 D
Flexural Modulus (MPa)	1500
Flexural Strength (MPa)	60
Tensile Modulus (MPa)	1300
Tensile Strength (MPa)	45
Heat Deflection Temp. °C (Tg)	*110 - 130
Glass Transition Temp. °C (Tg)	150
Elongation Yield (%)	32
Elongation at Break (%)	33,8
Tear Strength (MPa)	--
Yield Strength (MPa)	--
Izod Impact (kJ/m <sup>2</sup> )	8,3
Thermal Conductivity (W/mK)	--
Density (kg/dm <sup>3</sup> @ 23 °C)	
Part A	1,13
Part B	1,16
Viscosity (cPs @ 23 °C)	
Part A	1600
Part B	200
Mixing Ratio by weight (A:B)	80:100
Pot Life: sec. (100 g @ 23 °C)	330
Pot Life: min. (100 g @ 23 °C)	--
Curing Time	
(@ 23 °C) min./h	--
(@ 70 °C) min.	450
Shrinkage (%) According to Wall Thickness	0,2

\* The heat deflection temperature can be increased considerably by post curing the resin castings. To obtain higher heat deflection temperatures see handling instructions for each specific resin.