



DATA SHEET: POLYURETHANE RESIN 5175

Description:	UV stabilised, water clear, rigid resin	
Features:	Excellent optical properties and UV protection	
Suitable for:	Vacuum casting	
Cured Properties	Test/ISO standard where applicable	
Colour	Water clear	
Transparency	Transparent	
Shore hardness	85 ± 5 D	ISO 868
Tensile strength	72 MPa	ISO 527
Tensile modulus	1827 MPa	ISO 527
Flexural strength	110 MPa	ISO 178
Flexural modulus	2379 MPa	ISO 178
Izod impact	5.9 kJ/m ²	ISO 180
Linear shrinkage	0.1 – 0.2 mm / mm	
Elongation at break	8%	ISO 527
Heat deflection temperature (0.46 MPa)	95 °C	
Heat deflection temperature (1.82 MPa)	91 °C	
Processing Information	Notes	
Mix Ratio A:B Resin : Hardener (parts by weight)	57:100	
Mix Ratio A:B Resin : Hardener (parts by volume)	59:100	
Viscosity		At 25°C
Resin	1300 cPs	
Hardener	450 cPs	
Mixed	650 cPs	
Specific gravity		
Resin	1.10 g/cc	
Hardener	1.13 g/cc	
Gel time at 25 °C	540 s	
De-mould time	90 min	De-mould time is always mass dependent

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.