



DATA SHEET: VACUUM CASTING RESIN 5170

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| 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 | ASRM D-2240 |
| | At 60 °C | Not measured | |
| | At 80 °C | Not measured | |
| 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 | At 25 °C |
| | Part B | 1000 cPs | |
| | Part C | 1000 cPs | |
| Specific gravity | Part A | 1.20 | At 25 °C |
| | Part B | 1.19 | |
| 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 |

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.