

**APPLICATIONS**

- ❖ HIGH IMPACT MOULDINGS
- ❖ THIN WALLED MOULDED SECTIONS
- ❖ FILLED AND UNFILLED CASTINGS WITH RAPID DEMOULD TIMES

**PROPERTIES**

- ❖ HIGH MECHANICAL PROPERTIES
- ❖ GOOD FLOWABILITY
- ❖ FAST DEMOULD TIME

**LIQUID COMPONENTS**

| PROCESSING PROPERTIES | UNITS | RIM 60-A | RIM 60-B |
|-----------------------|-------|----------|----------|
| SPECIFIC GRAVITY      | g/ml  | 1.02     | 1.24     |
| VISCOSITY @ 25°C      | mPa.s | 2000     | 180      |
| MIXING RATIO          | w/w   | 100      | 75       |
| GELTIME (100g) @ 25°C | mins  | 1        |          |
| DEMOULD TIME          | mins  | 12-15    |          |
| FULL CURE TIME        | days  | 1        |          |

**CURED LAB SAMPLE**

| TYPICAL PHYSICAL PROPERTIES | UNITS             | MOULDED ITEM     |
|-----------------------------|-------------------|------------------|
| COLOUR                      | g/ml              | Black            |
| DENSITY                     | kg/m <sup>3</sup> | 1150             |
| SHORE HARDNESS              | Shore D           | 77               |
| FLEXURAL STRENGTH           | MPa               | 50-55            |
| FLEXURAL MODULUS            | MPa               | 1000-1200        |
| TENSILE STRENGTH            | MPa               | 28-35            |
| ULTIMATE ELONGATION         | %                 | 18-20            |
| IMPACT STRENGTH             | kJ/m <sup>2</sup> | 50-70            |
| HEAT DISTORTION TEMPERATURE | °C                | 110 (post-cured) |

**FILLERS:**

A variety of fillers can be added to RIM 60 including calcium carbonate, aluminium hydroxide and barytes.

Please contact Ru-bix Tooling Board for further information on suggested addition levels and the influence on mechanical properties.

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Product Characteristics: Low viscosity chemicals, good flowability in complex moulds.  
Good wettability with fillers.  
High filler loadings possible.  
Very fine surface detail.  
Short demould time.  
Good impact strength.  
Can be used for thin and thick moulded sections.

Processing Guide: Parts A and B should be well agitated before use.  
Chemicals and moulds should be maintained at 20-25°C.  
If using fillers, ensure they are finely dispersed in RIM 60-A.  
If applying to a wooden surface, ensure that it is properly sealed before application of the mixed resin.

Storage/Disposal: If stored at 15-25°C in unopened containers, the products will have a shelf life of 12 months. They should not be stored outside of these limits. Once containers are opened, they should be closed as soon as possible in order to prevent the ingress of moisture.  
Packaging that cannot be thoroughly cleaned should be disposed of as product waste.

Legal Disclaimer: Recommendations and technical information are provided in good faith, based on current knowledge and experience. However, due to variations in storage conditions, storage period, substrates and site conditions, no warranty in respect of fitness for purpose can be inferred from this information. The user must test the product's suitability for the intended application. Ru-bix Tooling Board is happy to provide free-issue samples for this purpose. All orders are accepted subject to our current terms of sale, a copy of which can be obtained from the Ru-bix office.

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