

### Product Description

Shin-Etsu's KE-1604/CAT-1604 is a high strength, high modulus mold making/potting compound of the addition polymerization type. KE-1604/CAT-1604 exhibits good tear resistance, high Shore A durometer, low shrinkage and easy release making it an excellent mold making material for urethane foams and other organic plastic resins.

### Product Features

- High Durometer
- Excellent tensile and tear strength
- Suitable for urethane foam systems
- 10:1 mix ratio
- Easy release

### Typical Applications

- Mold making applications requiring high strength and hardness

### Typical Properties

|                                    |                           |
|------------------------------------|---------------------------|
| Type                               | Mold Making               |
| Cure Type                          | Addition                  |
| One/Two Component                  | Two                       |
| Color                              | Blue                      |
| Density @ 23C (g/cm <sup>3</sup> ) | 1.29                      |
| Viscosity Base (Pa·s)              | 120.00                    |
| Catalyst                           | CAT-1604                  |
| Mix Ratio by weight                | 100:10                    |
| Cure Conditions                    | 1hr @ 100C or 24hrs @ 23C |
| Working Time                       | 75-90 minutes             |
| Shore A Hardness                   | 65                        |
| Tensile Strength (MPa)             | 6.20                      |
| Tear Strength (kN/m)               | 25                        |
| % Elongation                       | 230                       |
| Usable Temperature Range (C)       | -40 to +180               |

*Note: Values are not for specification purposes.*

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