

# ELASTOSIL® M 4643 A/B

Silicone  
Wacker Chemie AG

Message:

- Silicone Rubber, RTV-2
- Rapid Prototyping, Plastics and Rubber Processing
- Rapid Prototyping, Pharmaceuticals & Healthcare
- Mold Making, Automotive & Transportation
- Rapid Prototyping, Household Care
- Mold Making, Composites
- Mold Making, Construction
- Rapid Prototyping, Automotive & Transportation
- Mold Making, Plastics and Rubber Processing
- Mold Making, Mold Making

| General Information         |                                  |        |             |
|-----------------------------|----------------------------------|--------|-------------|
| Uses                        | Medical/Healthcare Applications  |        |             |
|                             | Mold Making                      |        |             |
|                             | Pharmaceuticals                  |        |             |
|                             | Prototyping                      |        |             |
| Processing Method           | Reaction Injection Molding (RIM) |        |             |
| Uncured Properties          | Nominal Value                    | Unit   | Test Method |
| Color                       | Grey                             |        |             |
| Density                     | 1.31                             | g/cm³  | ISO 2781    |
| Viscosity                   | 25                               | Pa · s | ISO 3219    |
| Curing Time                 | 12                               | hr     |             |
| Pot Life                    | 90                               | min    |             |
| Cured Properties            | Nominal Value                    | Unit   | Test Method |
| Shore Hardness (Shore A)    | 48                               |        | ISO 868     |
| Tensile Strength            | 5.00                             | MPa    | ISO 37      |
| Tensile Elongation at Break | 300                              | %      | ISO 37      |
| Tear Strength               | > 10.0                           | kN/m   | ASTM D624B  |
| Linear Shrinkage            | < 0.10                           | %      |             |

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