

# ELASTOSIL® R 512/70

Silicone

Wacker Chemie AG

## Message:

Silicone Rubber, HTV

Safety Cables, Cable Industry

| General Information         |                           |                   |              |
|-----------------------------|---------------------------|-------------------|--------------|
| Uses                        | Compounding               |                   |              |
|                             | Wire & Cable Applications |                   |              |
| Processing Method           | Extrusion                 |                   |              |
|                             | Profile Extrusion         |                   |              |
|                             | Wire & Cable Extrusion    |                   |              |
| Uncured Properties          | Nominal Value             | Unit              | Test Method  |
| Color                       | Opaque                    |                   |              |
| Density                     | 1.35                      | g/cm <sup>3</sup> | DIN 53479    |
| Cured Properties            | Nominal Value             | Unit              | Test Method  |
| Shore Hardness (Shore A)    | 70                        |                   | DIN 53505    |
| Tensile Strength            | 7.20                      | MPa               | DIN 53504    |
| Tensile Elongation at Break | 330                       | %                 | DIN 53504    |
| Tear Strength               | 16.0                      | kN/m              | ASTM D624B   |
| Electric Strength           | 25                        | kV/mm             | DIN IEC 243  |
| Volume Resistivity          | 1.0E+15                   | ohms · cm         | DIN IEC 93   |
| Dissipation Factor (50 Hz)  | 6.0E-3                    |                   | DIN VDE 0303 |

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