

# ELASTOSIL® R 420/70

Silicone

Wacker Chemie AG

## Message:

Silicone Rubber, HTV

Extrudates, Technical, Plastics and Rubber Processing

Extruded parts; tap water and wastewater contact, Plastics and Rubber Processing

Extrudates, food contact, Plastics and Rubber Processing

Molded Parts, Technical, Plastics and Rubber Processing

Molded parts; tap water and wastewater contact, Plastics and Rubber Processing

Molded Parts, Food Contact, Plastics and Rubber Processing

Cable, general purpose, Plastics and Rubber Processing

## General Information

|          |   |
|----------|---|
| Features | Food Contact Acceptable<br>Good Abrasion Resistance<br>Good Tear Strength |
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|------|---|
| Uses | Automotive Applications<br>Compounding<br>Gaskets<br>Potable Water Applications<br>Profiles<br>Seals<br>Valves/Valve Parts<br>Wire & Cable Applications |
|------|---|

|                   |   |
|-------------------|---|
| Processing Method | Calendering<br>Compression Molding<br>Extrusion<br>Press Molding<br>Profile Extrusion<br>Wire & Cable Extrusion |
|-------------------|---|

| Uncured Properties          | Nominal Value     | Unit              | Test Method   |
|-----------------------------|-------------------|-------------------|---------------|
| Color                       | Clear/Transparent |                   |               |
| Density                     | 1.19              | g/cm <sup>3</sup> | ISO 1183      |
| Cured Properties            | Nominal Value     | Unit              | Test Method   |
| Shore Hardness (Shore A)    | 70                |                   | DIN 53505     |
| Tensile Strength            | 9.00              | MPa               | DIN 53504     |
| Tensile Elongation at Break | 650               | %                 | DIN 53504     |
| Compression Set             | 63                | %                 | DIN ISO 815-B |

|                    |      |      |            |
|--------------------|------|------|------------|
| Tear Strength      | 48.0 | kN/m | ASTM D624B |
| Rebound Resilience | 46   | %    | DIN 53512  |

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