

# SILPURAN® 8060/60

Silicone

Wacker Chemie AG

Message:

Silicone Rubber, HTV  
Gaskets, Plastics and Rubber Processing  
Membranes, Pharmaceuticals & Healthcare  
Balloons, Pharmaceuticals & Healthcare  
Catheters, Pharmaceuticals & Healthcare  
Medical Tubing, Pharmaceuticals & Healthcare  
Seals (HealthCare / Pharma), Pharmaceuticals & Healthcare  
Valves (HealthCare / Pharma), Pharmaceuticals & Healthcare

| General Information |                                 |      |             |
|---------------------|---------------------------------|------|-------------|
| Features            | Biocompatible                   |      |             |
|                     | BPA Free                        |      |             |
|                     | Breathable                      |      |             |
|                     | Good Chemical Resistance        |      |             |
|                     | Good Flexibility                |      |             |
|                     | Good Sterilizability            |      |             |
|                     | Good Thermal Stability          |      |             |
|                     | High Gas Permeability           |      |             |
|                     | High Heat Resistance            |      |             |
|                     | High Purity                     |      |             |
|                     | Low to No Odor                  |      |             |
|                     | Low to No Water Absorption      |      |             |
|                     | Non-Toxic                       |      |             |
|                     | Steam Resistant                 |      |             |
| Uses                | Body Implants                   |      |             |
|                     | Medical Devices                 |      |             |
|                     | Medical/Healthcare Applications |      |             |
|                     | Pharmaceuticals                 |      |             |
| Agency Ratings      | ISO 10993                       |      |             |
|                     | USP Class VI                    |      |             |
| Processing Method   | Compression Molding             |      |             |
|                     | Extrusion                       |      |             |
|                     | Press Molding                   |      |             |
| Uncured Properties  | Nominal Value                   | Unit | Test Method |

|                             |                   |                   |               |
|-----------------------------|-------------------|-------------------|---------------|
| Color                       | Clear/Transparent |                   |               |
| Density                     | 1.15              | g/cm <sup>3</sup> | ISO 1183      |
| Cured Properties            | Nominal Value     | Unit              | Test Method   |
| Shore Hardness (Shore A)    | 60                |                   | DIN 53505     |
| Tensile Strength            | 11.0              | MPa               | DIN 53504     |
| Tensile Elongation at Break | 470               | %                 | DIN 53504     |
| Compression Set             | 25                | %                 | DIN ISO 815-B |
| Tear Strength               | 25.0              | kN/m              | ASTM D624B    |
| Rebound Resilience          | 58                | %                 | DIN 53512     |

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### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

