

SILPURAN® 6000/50 A/B

Silicone

Wacker Chemie AG

Message:

Silicone Rubber, LSR
Gaskets, Plastics and Rubber Processing
Membranes, Pharmaceuticals & Healthcare
Masks, Pharmaceuticals & Healthcare
Seals (HealthCare / Pharma), Pharmaceuticals & Healthcare
Valves (HealthCare / Pharma), Pharmaceuticals & Healthcare

| General Information | | | |
|---------------------|--------------------------------|--------|-------------|
| Features | High Gas Permeability | | |
| | High purity | | |
| | Good disinfection | | |
| | Good flexibility | | |
| | Good chemical resistance | | |
| | Heat resistance, high | | |
| | Steam resistance | | |
| | The smell is low to none | | |
| | Thermal stability, good | | |
| | Biocompatibility | | |
| | Breathable | | |
| | BPA-free | | |
| | Non-toxic | | |
| | Low or no water absorption | | |
| Uses | Human implant | | |
| | Drug | | |
| | Medical/nursing supplies | | |
| | Medical devices | | |
| Agency Ratings | ISO 10993 | | |
| | USP Class VI | | |
| Processing Method | Liquid Injection Molding (LIM) | | |
| | Injection molding | | |
| Uncured Properties | Nominal Value | Unit | Test Method |
| Color | Clear/Transparent | | |
| Density | 1.13 | g/cm³ | ISO 1183 |
| Viscosity | 360 | Pa · s | DIN 53019 |

| Cured Properties | Nominal Value | Unit | Test Method |
|-----------------------------|---------------|------|---------------|
| Shore Hardness (Shore A) | 50 | | DIN 53505 |
| Tensile Strength | 10.0 | MPa | DIN 53504 |
| Tensile Elongation at Break | 480 | % | DIN 53504 |
| Compression Set | 14 | % | DIN ISO 815-B |
| Tear Strength | 30.0 | kN/m | ASTM D624B |

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