

Liquid Silicone Rubber-Non Post Curing

Technical Data Sheet

Sanesil LSR8200 A/B

SX0612-2021-27 V3

Description: Sanesil™ LSR8200 A/B is a two-component liquid silicone rubber designed for producing high transparent articles with very low VOC and good tear strength through injection process after A/B mix with ratio of 1/1.

Special properties:

- Very low volatile content
- High transparency and high purity
- Excellent thermal stability and weather resistance
- Perfect physical property
- Good injection property
- Complies with RoHS, pass FDA

Main applications:

- Baby care parts
- Automotive applications: valves, gaskets, seals etc.
- Kitchenware
- Technical parts: tube etc.

Mechanical properties

| Grade | A/B viscosity P.a.s | Appearance A/B | Density (g/ cm ³) | Hardness (Shore A) | Tensile strength (MPa) | Elongation at break (%) | Tear strength (N/mm) | Volatile content (%) |
|-------------|------------------------|-------------------|----------------------------------|-----------------------|------------------------------|-------------------------------|----------------------------|-------------------------|
| Test method | ISO 3219 | / | ISO 2771 | ASTM D 2240 | ASTM D 412 Die C | ASTM D412 Die C | ASTM D624 Die B | EN-14350-2 |
| LSR 8220 | 250/250 | Transparent | 1.09 | 23 | 7.5 | 810 | 17 | 0.36 |
| LSR 8230 | 250/250 | Transparent | 1.09 | 30 | 7.6 | 690 | 18 | 0.35 |
| LSR 8240 | 250/250 | Transparent | 1.1 | 40 | 8.1 | 550 | 24 | 0.31 |
| LSR 8250 | 250/250 | Transparent | 1.11 | 50 | 9.1 | 450 | 38 | 0.31 |
| LSR 8260 | 500/400 | Transparent | 1.13 | 60 | 10.1 | 440 | 41 | 0.3 |
| LSR 8270 | 400/350 | Transparent | 1.13 | 67 | 9.4 | 360 | 40 | 0.3 |

Slabs 160mm*160mm*2mm at 177°C cured for 5 minutes with hot mold. Compression set slabs at 177°C cured for 10 minutes with cold mold. Compression set test condition:177°C*22hours, 25%. These data are approx.

Please be aware: that the typical properties provided are not meant for creating specifications for specific applications. For more comprehensive data, please get in touch with our Technical Service Department.

Usage Instructions: The curing process relies on the molding temperature and the dimensions of the part. To prepare **Sanesil™ LSR8200A/B**, combine equal amounts of components A and B from the same batch using conventional liquid injection molding equipment and methods, ensuring that the mixing temperature remains below 35°C. We strongly recommend the use of airless mixing, metering, and dispensing equipment for production operations. Achieving precise measurements and thorough mixing are vital factors in ensuring consistent results.

Cleaning : It is crucial to ensure the cleanliness of molds and the work area, avoiding the use of organic rubbers on the same processing equipment. Even small amounts of foreign materials can contaminate the catalyst and impede the curing process. Thoroughly clean all metering and mixing equipment. Polymer systems containing even trace amounts of amines, sulfur, nitrogen oxide, organotin compounds, and carbon monoxide can disrupt the curing process of this product and should be avoided.

Packaging: **Sanesil LSR8200A/B** is available in 20 kg pails or 200 kg drums.

Storage and shelf life:

This series may be stored in the original, unopened container at a temperature between 0°C and 30°C, can be stored for 12 months from the date of manufacturing. Beyond this date, we no longer guarantees that the product meets the sales specifications.

For More Product Information, Please Visit Our Website: www.sanezen.com

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