



TECHNOLOGY MAKES LIFE BETTER

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安徽艾约塔硅油有限公司

IOTA CORPORATION LTD.

Sunmoon industry park, 985 Xingzhong Road,
Bengbu, China 233000

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LIQUID SILICONE RUBBER IOTA LSR 6330

IOTA LSR 6330 is a 30 durometer, liquid silicone rubber designed for producing high clarity, high strength parts through injection process.

Details

LIQUID SILICONE RUBBER IOTA LSR 6330

Description: IOTA LSR 6330 is a 30 durometer, liquid silicone rubber designed for producing high clarity, high strength parts through injection process.

Applications:

Baby care parts

Respiratory mask

Automotive applications: valves, gaskets, seals

Skin contact parts like liners

Balloons

Cushioning applications

Others

Features:

Excellent mold release and Easily pigmented

Superior clarity

High performance physicals – high tear and elongation

Rebound resilience characteristics – cushioning and non-tacky

Soft, skin-like feel when molded

Typical Properties:

| <u>Properties</u> | <u>Test Method</u> | <u>Values</u> |
|-----------------------|--------------------|---------------|
| Appearance | CTM | Clear |
| Specific gravity | | 1.11 |
| Extrusion Rate, g/min | | 105 |
| <u>Viscosity</u> | | |

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| | | | |
|--|-------------|--------------------------------|-------------------------------|
| Shear rate 1/sec,Pa.s | | 550 | |
| Shear rate 10/ sec,Pa.s | | 270 | |
| | | Press Cured¹ | Post Cured¹ |
| | ASTM | 5minutes, 177°C | 4hours,200°C |
| Hardness, Shore A | D2240 | 30 | 31 |
| Tensile Strength, psi (N/mm ²) | D412 | 1400(9.7) | 1350(9.3) |
| Elongation at break, % | D412 | 790 | 750 |
| Tear Strength, ppi (N/mm) | D624, Die B | 195(34) | 205(36) |
| Modulus 100%, psi (N/mm ²) | D412 | 190 | 200(1.4) |
| Compression Set, % | D395B | 35 | 10 |
| Resiliency, % | D2632 | 62 | 60 |

Packaging: IOTA LSR 6330 is available in 20 kg pails or 200 kg drums.

Storage and shelf life: IOTA LSR 6330 when stored in the original, unopened container at room temperature 24°C (77°F), can be stored for 12 months from the date of manufacturing. Beyond this date, IOTA no longer guarantees that the product meets the sales specifications.

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