



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

Tel: 86-552-3827158

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LIQUID SILICONE RUBBER IOTA LSR 6350

Description: IOTA LSR 6350 is a 50 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>
	ASTM	CTM	
Appearance			Clear
Specific gravity			1.12
Extrusion Rate, g/min			80
<u>Viscosity</u>			
Shear rate 1/sec, Pa.s			2000
Shear rate 10/ sec, Pa.s			700
			Press Cured¹ Post Cured¹
	ASTM	5minutes, 177°C	4hours, 200°C
Hardness, Shore A	D2240	50	50
Tensile Strength, psi (N/mm ²)	D412	1225(8.4)	1275(8.8)
Elongation at break, %	D412	570	530
Tear Strength, ppi (N/mm)	D 624, Die B	265(45)	290(51)
Modulus 100%, psi (N/mm ²)	D412	350(2.4)	340(2.3)

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Compression Set, %	D395B	35	12
Resiliency, %	D2632	63	57

Packaging: IOTA LSR 6350 is available in 20 kg pails or 200 kg drums.

Storage and shelf life: IOTA LSR 6350 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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