



TECHNOLOGY MAKES LIFE BETTER

安徽省蚌埠市高新区兴中路 985 号
日月科技园

电话: 86-552-3827158

传真: 86-552-3822922

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

Fax: 86-552-3822922

LIQUID SILICONE RUBBER IOTA LSR 6340

Description: IOTA LSR 6340 is a 40 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>	
	CTM		
Appearance		Clear	
Specific gravity		1.12	
Extrusion Rate, g/min		90	
<u>Viscosity</u>			
Shear rate 1/sec,Pa.s		1800	
Shear rate 10/ sec,Pa.s		650	
		Press Cured¹	Post Cured¹
	ASTM	5minutes, 177°C	4hours,200°C
Hardness, Shore A	D2240	40	40
Tensile Strength, psi (N/mm ²)	D412	1230(8.5)	1250(8.6)
Elongation at break, %	D412	615	605
Tear Strength, ppi (N/mm)	D 624, Die B	250(43)	285(50)
Modulus 100%, psi (N/mm ²)	D412	200	200(1.4)

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Compression Set, %	D395B	35	10
Resiliency, %	D2632	62	52

Packaging: IOTA LSR 6340 is available in 20 kg pails or 200 kg drums.

Storage and shelf life: IOTA LSR 6340 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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Add: Sunmoon industry park, 985 Xingzhong Road, Bengbu, China 233000

TeL: 0086-552-7183958 Fax: 0086-552-3822922

Whatsapp : 0086-15556181299 WeChat :Amandalin99

QQ: 309136222

Email: sales02@siliconeoil.net

Website: www.rtvsilicone.net

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

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