



安徽艾约塔硅油有限公司

IOTA corporation Ltd.

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

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

Tel: 86-552-3827158

Fax: 86-552-3822922

Specialized Food-Grade Liquid Silicone Rubber for Kitchenware IOTA LSR 3750 (Shore A 20-70)

Product Introduction:

The IOTA LSR 3750 (Shore A 20-70) series is a specialized food-grade, two-component, high tear-resistance addition-cure liquid silicone rubber designed for kitchenware applications.

Key Features:

Two-component system with a 1:1 mixing ratio

Excellent mold release properties

Rapid thermal curing

Superior mechanical properties

Applications:

Various kitchenware accessories

Standard baby bottle nipples

Injection-molded miscellaneous items

Complex structured injection-molded products

Important Notes:

IOTA LSR 3750 (Shore A 20-70) is catalyzed with platinum; the platinum catalyst is in Component A.

Strict precautions must be taken to avoid catalyst poisoning.

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Only A and B components from the same batch number should be mixed together.

To ensure optimal flowability and uniformity, the material must be thoroughly stirred before transferring to a container.

Technical Specifications:

Property	3750-20	3750-30	3750-40	3750-50	3750-60	3750-70
Uncured Product						
Viscosity of Component A at 23°C, 10S-1	300	280	320	350	350	380
Viscosity of Component B at 23°C, 10S-1	280	250	280	300	300	350
Product Data (A+B Mixed)						
Mixing Ratio (by Weight)	1:1					
Viscosity at 23°C, 10S-1	290	265	300	325	325	365
Curing Time	Refer to curing time					
Product Data (Cured)						
Density at 23°C (g/cm ³)	1.10	1.11	1.11	1.12	1.12	1.14
Hardness (HA)	20	30	40	50	60	70
Tensile Strength (MPa)	7	7	8	10	9	9

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Elongation (%)	650	600	580	500	400	340
Tear Strength (KN/m)	20	25	30	40	35	32

Packaging Information:

Component A: 200 Kg/drum

Component B: 200 Kg/drum

Storage and Shelf Life:

Store below 23°C. Unopened drums have a shelf life of 12 months. The best-before date is marked on the label of each product's outer packaging. Although the material may still be used beyond this date, performance testing of relevant indicators is necessary to ensure quality.

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