



安徽艾约塔硅油有限公司

IOTA corporation Ltd.

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Liquid silicone rubber for Silicone leather IOTA LSR 3221

Product Introduction:

Coating liquid silicone rubber IOTA LSR 3221 series is a specialized coating liquid silicone rubber used for the production of silicone leather.

Advantages:

Easy release

High strength

Low viscosity, good fluidity, and easy operation

Applications:

Luggage, shoes, and clothing

Baby cushions

Other leather products

Physical Properties:

ITEM	Unit	Type	
		IOTA LSR 3221	Test standards
Appearance	-	Transparent	Visual
Viscosity	mPa.s	2800-4200	ASTM D2209-00
Tensile Strength	MPa	≥5.0	ASTM D2209-00
Elongation at Break	%	≥350	ASTM D2209-00

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Hardness	(ShoreA)	10-50	ASTM D2209-00
Tear Strength	KN/m	10-30	ASTM D2209-00

This is base silicone rubber, customers can adjust the number of coatings according to actual requirement.

The surface layer can choose the hand feel oil (which can increase the leather surface feel) to produce end products.

Notes:

Typical values: Parameters may vary depending on specific silicone types and formulations.

Test standards: Can be adjusted according to customer requirements or industry standards.

Customizable parameters: Colors, hardness, temperature resistance ranges, etc., can be customized.

The above data are for reference only.

Usage Instructions

Mixing Ratio: Mix components A and B at a 1:1 ratio and vacuum treatment.

Curing Conditions: The coating cures rapidly at high temperatures. Curing time depends on thickness and temperature. Contact with materials such as amines, sulfur, and tin compounds may inhibit curing.

Curing Time: (120–140)°C × (3–5) minutes.

Pot Life: After mixing components A and B, the effective period of the mixture at 25 ° C is 48 hours.

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Cleaning:

Most hydrocarbon solvents can remove uncured silicon. However, polar solvents such as ketones and ethanol cannot be removed.

Packaging and Storage:

Packaging: 20kg/drum, 200kg/iron drum.

Storage: Store in unopened original containers at $\leq 32^{\circ}\text{C}$.

Shelf Life: 12 months. Re-inspect and use if qualified after expiration.

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