



安徽艾约塔硅油有限公司

IOTA corporation Ltd.

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日月科技园

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Fiberglass-coated Silicone Rubber IOTA LSR 3430

Shore hardness of 26-52 A, multiple mix ratio of A/B, compression and injection molding

Description:

The series of LSR is used for coating process, and shows such characteristics as: high strength, good adhesion performance, and fast vulcanization.

Features:

High strength

Good adhesion performance

Fast vulcanization

Applications:

Coating on glass fiber or cloth

Coating on sponge

Typical Characteristics:

Testing item		IOTA 3425	IOTA 3430	IOTA 3440	IOTA 3450
Appearance		Transparent			
Viscosity (Pa·s)	A	20	15	2	2
	B	20	15	18	160

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A/B ratio	1:1	1:1	2:100	2:100
Hardness (ShoreA)	26	31	38	52
Density (g/cm ³)	1.06	1.09	1.06	1.10
Tensile strength (MPa)	4.0	3.5	5.0	8.0
Elongation (%)	450	400	300	330
Tear strength (kN/m)	8	10	12	25

How to Use:

Components A and B have been filtrated and de-aired before delivery and are used by mixing them with multiple weight ratio. Meter mix equipment which pumps, meters and mixes the two components without the incorporation of air is strongly recommended for production. If air bubbles are entrapped during mixing, the mixture must be thoroughly de-gassed under vacuum.

Storage:

Product should be stored at or below 32°C in original unopened containers. This product has a usable life time of 9 months from the data of production.

Curing:

IOTA 24 series of LSR will cure rapidly at elevated temperatures. The curing time depends on the thickness of the products and the curing temperature. Curing would be inhibited when contacting with certain materials, such as amines, sulfur and tin compound.

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Pot life:

When components A and B are mixed, the mixture will remain usable for 48 h at 25°C.

Cleaning:

The uncured silicone can be readily removed by most of the hydrocarbon solvents.

While polar solvents, such as ketones and alcohols, cannot.

Package:

55-gallon steel drum (net weight 200 kg) or 20 L plastic barrel (net weight 20 kg).

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