

TDS of Fumed grade Self-lubricating Rubber

This product can be used to manufacture products with different hardness and different performance requirements. After vulcanization, within a certain period of time, the surface of product can precipitate silicone oil for self-lubricating. It has good physical properties and processability and is applicable to various silicone rubber connectors, sealing elements and washers requiring self-lubricating property with molding process and is widely used in the machinery industry, automotive industry and aerospace industry.

Typical Properties:

Category		Item				
Fumed grade		MY D1130	MY D1140	MY D1150	MY D1160	MY D1170
Appearance		Ivory translucent				
Vulcanization	Hardness Shore A	30±2	40±2	50±2	60±2	70±2
	Tensile strength MPa≥	6.5	7.5	7.5	7.5	7.5
	Elongation at break %≥	600	500	350	300	220
	Breaking set %≤	8	8	8	8	8
	Tear strength B KN/m≥	15	19	22	22	20
Specific density 25°C g/cm³		1.08±0.05	1.13±0.05	1.15±0.05	1.19±0.05	1.22±0.05

Physical data in the above table is for reference only.

Vulcanization condition: 175°C × 5Min. Post-curing condition: 200°C × 4h

Addition of curing agent: liquid 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane: 0.65%.

Advantage:

- Good processability
- Excellent comprehensive physical properties and self-lubricating property



安徽明怡硅业有限公司

Ming Yi Silicone Co., Ltd.

安徽省蚌埠市高新区兴中路 985 号日月科技园

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

电话: 86-552-3827158

Tel: 86-552-3827158

传真: 86-552-3822922

Fax: 86-552-3822922

Applications:

- In the fields such as machinery industry, automotive industry and aerospace industry.

Packing & Storage:

- 20kg/ carton lined with plastic bags or sheets.

The products have a shelf life of 9 months from date of manufacture depending on the shore hardness if stored at room temperature in the originally sealed container.