

TDS of Fumed grade High tear strength 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, High tear strength		MY D1230	MY D1240	MY D1250	MY D1260	MY D1270
Appearance		Ivory translucent				
Vulcanization	Hardness Shore A	32±2	40±2	50±2	60±2	70±2
	Tensile strength MPa≥	6.5	8.0	8.0	8.0	7.5
	Elongation at break %≥	700	600	500	400	300
	Breaking set %≤	8	8	8	8	8
	Tear strength B KN/m≥	20	30	35	35	35
Specific density 25°C g/cm³		1.07±0.04	1.13±0.04	1.15±0.04	1.18±0.04	1.22±0.04

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



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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.