

TDS of Anti-static silicone rubber

This product is specially designed for molded silicone rubber products with requirements for control of static, with stable physical and mechanical properties and good processability.

Typical Properties:

Category		Item			
Rubber for Molding		MY D1440	MY D1450	MY D1460	MY D1470
Appearance		Yellowish			
Vulcanization	Hardness Shore A	40±2	50±2	60±2	70±2
	Tensile strength MPa≥	6.0	7.0	7.0	6.5
	Elongation at break %≥	450	350	300	200
	Breaking set %≤	12	12	12	12
	Tear strength B KN/m≥	15	20	20	16
Specific density 25°C g/cm ³		1.15±0.04	1.19±0.04	1.22±0.04	1.25±0.04
Volume resistivity Ω.cm≥		1.0 x 10 ¹²	1.0 x 10 ¹²	1.0 x 10 ¹²	1.0 x 10 ¹²

Physical data in the above table is for reference only.

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

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

Advantage:

- Good anti-static performance
- Stable physical and mechanical properties
- Good processability

Applications:



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- Various silicone rubber products with requirement for control of static, eg. for the mining 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.