

**TDS of General grade Flame retardant rubber**

This product has good physical, mechanical and electrical properties, superior flame retardance and self-extinguishing property. The flame retardance of 3mm test piece can reach the class FV-0 stated in the national standard GB/T10707-2008. This product complies with the requirements of ROHS and is applicable to manufacturing of electronic and electric products with flame retardance and insulativity, such as flame retardant gaskets, flame retardant seal rings and wire sheaths for cold cathode fluorescent lamps.

**Typical Properties:**

Category		Item				
General grade		MY DZ540	MY DZ550	MY DZ560	MY DZ570	MY DZ580
Appearance		Gray white				
Vulcanization	Hardness Shore A	40±3	50±3	60±3	70±3	78±3
	Tensile strength MPa≥	4.0	5.0	5.0	5.0	5.0
	Elongation at break %≥	350	300	250	200	150
	Breaking set %≤	8	7	7	6	5
	Tear strength B KN/m≥	12	14	14	14	12
Specific density 25°C g/cm³		1.42±0.05	1.45±0.05	1.48±0.05	1.51±0.05	1.53±0.05
Flame retardance		FV-0	FV-0	FV-0	FV-0	FV-0

Physical data in the above table is for reference only.

Vulcanization condition: 175°C × 5Min.

Addition of curing agent: liquid 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane, flame retardant rubber 1.0%

**Advantage:**

- Good physical properties
- Good electrical properties



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- The flame retardant of 3mm test block can reach the class FV-0 stated in the national standard IEC 60707

**Applications:**

- Miscellaneous parts with requirement for flame retardance and electrical properties.

**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.