

TDS of Fumed 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			
Fumed grade		MY DZ141	MY DZ151	MY DZ161	MY DZ171
Appearance		Gray white			
Vulcanization	Hardness Shore A	40±3	50±3	60±3	70±3
	Tensile strength MPa≥	5.0	6.0	6.0	5.5
	Elongation at break %≥	400	350	300	220
	Breaking set %≤	8	7	7	6
	Tear strength B KN/m≥	13	15	15	13
Specific density 25°C g/cm³		1.35±0.05	1.38±0.05	1.41±0.05	1.47±0.05
Flame retardance		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:

- Anode caps, sealing elements and miscellaneous parts with requirement for flame retardance

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.