

TDS of Standard Grade Fumed Rubber for extrusion

Standard grade fumed rubber for molding has good physical properties, yellowing resistance and good processability. They are applicable to molded products with requirement for high transparency. E.g., keypads, sanitary products and industrial miscellaneous parts such as O-rings and sealing gaskets.

Typical Properties:

Category		Item			
Rubber for extrusion		MY D9250	MY D9260	MY D9270	MY D9280
Appearance		Transparent			
Vulcanization	Hardness Shore A	50±2	60±2	70±2	80±2
	Tensile strength MPa≥	8.5	8.5	8.0	8.0
	Elongation at break %≥	500	400	300	200
	Breaking set %≤	12	12	12	12
	Tear strength B KN/m≥	25	25	25	20
Post-curing	Hardness Shore A	57±2	68±2	76±2	85±2
	Tensile strength MPa≥	8.5	8.5	8.0	8.0
	Elongation at break %≥	450	350	260	200
	Tear strength B KN/m≥	20	20	20	18
Specific density 25°C g/cm ³		1.15±0.04	1.18±0.04	1.22±0.04	1.25±0.04
Compression set 180*22h %≤		35	35	35	25
Resilience %≥		50	50	45	40
Dielectric strength kV/mm ≥		20	20	20	20
Volume resistivity Ω.cm≥		1.0 x 10 ¹⁵	1.0 x 10 ¹⁵	1.0 x 10 ¹⁵	1.0 x 10 ¹⁵

Physical data in the above table is for reference only.

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

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

Advantage:

- Flexible processability
- Flexible comprehensive physical properties
- Good extrusion property and yellowing resistance

Applications:

- Applicable to silicone tubes and E tubes with requirement for high transparency such as milk tube, coffee tube.

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.