

### TDS of High-performance Fumed Rubber

The products of this series have excellent structural resistance properties, with high transparency and good yellowing resistance. Applicable to the products for platinum vulcanization, molding and extrusion of vulcanization molding.

#### Typical Properties:

Category		Item					
General-purpose grade		MY D9830	MY D9840	MY D9850	MY D9860	MY D9870	MY D9880
Appearance		Transparent					
Vulcanization	Hardness Shore A	30±2	40±2	46±2	60±2	66±2	80±2
	Tensile strength MPa≥	8.0	8.5	10.0	10.0	10.0	8.5
	Elongation at break %≥	700	600	500	480	450	300
	Breaking set %≤	10	10	12	12	12	10
	Tear strength B KN/m≥	13	14	16	17	20	16
Post-curing	Hardness Shore A	33±2	43±2	48±2	63±2	68±2	83±2
	Tensile strength MPa≥	7.5	8.0	9.5	9.5	9.5	8.0
	Elongation at break %≥	650	550	450	400	350	240
	Tear strength B KN/m≥	10	11	13	13	13	13
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	1.25±0.04
Compression set 180*22h %≤		40	35	35	35	35	35
Resilience %≥		50	50	50	50	46	46
Dielectric strength kV/mm ≥		20	21	21	21	21	21
Volume resistivity Ω.cm≥		1.0 x 10 <sup>15</sup>	1.0 x 10 <sup>15</sup>	1.0 x 10 <sup>15</sup>	1.0 x 10 <sup>15</sup>	1.0 x 10 <sup>15</sup>	1.0 x 10 <sup>15</sup>

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:**

- Excellent structural resistance properties
- High transparency
- Good yellowing resistance

**Applications:**

- Applicable to the products for platinum vulcanization, molding and extrusion of vulcanization molding

**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.