

TDS of Common grade fumed rubber for molded

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

Typical Properties:

Category		Item						
General molded		MY D9530	MY D9540	MY D9550	MY D9560	MY D9570	MY D9580	MY D9590
Appearance		Transparent						
Vulcanization	Hardness Shore A	30±2	40±2	50±2	60±2	70±2	80±2	86±2
	Tensile strength MPa≥	8.0	8.5	8.5	8.5	8.5	8.0	8.0
	Elongation at break %≥	600	500	400	400	300	200	120
	Breaking set %≤	8	8	8	8	8	8	6
	Tear strength B KN/m≥	15	20	25	25	25	20	10
Post-curing	Hardness Shore A	35±2	45±2	56±2	66±2	74±2	84±2	90±2
	Tensile strength MPa≥	6.5	7.0	8.0	8.0	8.0	7.0	5.0
	Elongation at break %≥	500	400	300	300	200	150	80
	Tear strength B KN/m≥	10	16	18	18	18	16	8
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	1.23±0.05

Compression set 180*22h %≤	55	50	50	45	45	40	35
Resilience %≥	55	55	50	45	40	40	35
Dielectric strength kV/mm ≥	20	20	20	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	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 × 4h

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

Advantage:

- Flexible processability
- Flexible comprehensive physical properties
- Good yellowing resistance

Applications:

- Applicable to molded products with requirement for high transparency, such as sanitary products, O-rings.

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.