

TDS of General grade silicone rubber for molding and extrusion

- This product has good processability. The rubber for molding is vulcanized with 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane as vulcanizator, applicable to manufacturing of common silicone rubber products and miscellaneous parts, common silicone rubber keypads, especially pigmented products; and the rubber for extrusion is vulcanized with vulcanizator DCBP (Di-(2,4-dichlorobenzoyl) Peroxide), applicable to manufacturing of low-end miscellaneous extruded silicone rubber products.

Typical Properties:

Category	Item	Appearance	Hardness Shore A	Tensile strength MPa≥	Elongatio n at break %≥	Breaking set %≤	Tear strength B KN/m≥	Specific density 25°C g/cm³	Compression set 180*22h %≤	Resilience %≥
For molding	MY D5140	Ivory light yellow light gray	40±2	6.0	380	9	16	1.13±0.05	35	60
	MY D5150		50±2	7.0	320	10	18	1.15±0.05	30	55
	MY D5160		60±2	7.0	280	10	18	1.18±0.05	30	50
	MY D5170		70±2	6.5	200	9	16	1.21±0.05	30	45
	MY D5180		80±2	6.0	150	8	15	1.25±0.05	25	45
	MY D5190		86±2	4.0	80	6	10	1.25±0.05	25	40

Physical data in the above table is for reference only.

Vulcanization condition: 175°C × 5Min.

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

Advantage:

- Good processability
- Stable comprehensive physical properties

Applications:

- Low-end miscellaneous parts molded products

Category	Item	Appearance	Hardness Shore A	Tensile strength MPa≥	Elongation at break %≥	Breaking set %≤	Tear strength B KN/m≥	Specific density 25°C g/cm ³	Dielectric strength kV/mm ≥	Volume resistivity Ω.cm≥
For extrusion	MY D5240	Ivory light	40±2	6.0	400	14	16	1.13±0.05	-	-
	MY D5250		50±2	7.0	320	14	18	1.15±0.05	-	-
	MY D5260	yellow light	60±2	7.0	280	14	18	1.18±0.05	-	-
	MY D5270	gray	70±2	6.5	200	12	16	1.21±0.05	-	-
	MY D5280		80±2	6.0	150	12	15	1.25±0.05	-	-

Physical data in the above table is for reference only.

Vulcanization condition: 175°C × 5Min.

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

Advantage:

- Flexible processability
- stable comprehensive physical properties

Application:

- Low-end miscellaneous parts extruded products

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.