

**TDS of Standard grade for molding and extrusion**

This product has flexible processability and comprehensive physical properties, excellent yellowing resistance and superior aging resistance at temperature of - 50 to 200°C. The rubber for molding is vulcanized with 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane as vulcanizator, applicable to manufacturing of various keypads for electronic & electric appliances, electrical insulations, automotive accessories, industrial & civil seal rings, miscellaneous parts and transparent pieces, etc. The rubber for extrusion is vulcanized with vulcanizator DCBP (Di-(2,4-dichlorobenzoyl) Peroxide), applicable to various thermotolerant & cold resisting electric wires, cables and sheaths. This product is available as a milk-white translucent finished product, or compound with curing agent & pigment, or sliced product.

**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 D131	Ivory translucent	30±2	6.0	600	6	15	1.08±0.05	35	65
	MY D141		40±2	6.5	400	6	19	1.13±0.05	35	60
	MY D151		50±2	8.0	350	7	22	1.15±0.05	30	55
	MY D161		60±2	8.0	300	7	22	1.19±0.05	30	50
	MY D171		70±2	7.5	220	6	20	1.22±0.05	30	45
	MY D181		80±2	7.0	180	5	18	1.25±0.05	25	45
	MY D191		86±2	4.0	80	6	10	1.26±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
- Excellent comprehensive physical properties

**Applications:**

- Keys, miscellaneous part, industrial and civil translucent silicone rubber product

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 <sup>3</sup>	Dielectric strength kV/mm ≥	Volume resistivity Ω.cm≥
For extrusion	MY D251 wire	Ivory translucent	50±2	8.0	440	14	20	1.18±0.05	20	3.0*10 <sup>14</sup>
	MY D251 tube		52±2	7.5	380	12	20	1.18±0.05	20	3.0*10 <sup>14</sup>
	MY D261 wire		60±2	7.5	380	14	22	1.20±0.05	20	3.0*10 <sup>14</sup>
	MY D261 tube		62±2	7.5	300	12	22	1.20±0.05	20	3.0*10 <sup>14</sup>
	MY D271 wire		70±2	7.5	250	14	20	1.22±0.05	20	3.0*10 <sup>14</sup>
	MY D271 tube		71±2	7.5	200	12	20	1.22±0.05	20	3.0*10 <sup>14</sup>
	MY D281 wire		80±2	7.0	180	10	20	1.25±0.05	20	3.0*10 <sup>14</sup>
	MY D281 tube		80±2	7.0	160	10	20	1.25±0.05	20	3.0*10 <sup>14</sup>

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Vulcanization condition: 175°C × 5Min.

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

**Advantage:**

- Standard grade for extrusion
- Flexible processability
- Flexible comprehensive physical properties

**Application:**

- Electric wires, cables, sheaths, industrial and civil translucent silicone rubber tubes and sealing strips

**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.