

TDS of General purpose for molding and extrusion

This product has superior physical, mechanical and electrical properties, and excellent 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, and is widely used to manufacture various keypads, industrial & civil silicone rubber products, sealing elements and miscellaneous parts; it is also applicable to general electric components. The rubber for extrusion is vulcanized with vulcanizator DCBP (Di-(2,4-dichlorobenzoyl) Peroxide), applicable to various silicone rubber tubes, shaped rubber strips and foam rubber strips, etc. This product is available as a ivory subtranslucent 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 D130	Ivory subtransluc ent	30±2	6.0	600	6	15	1.08±0.05	35	65
	MY D140		40±2	6.5	400	6	19	1.13±0.05	35	60
	MY D150		50±2	8.0	350	7	22	1.15±0.05	30	60
	MY D160		60±2	8.0	300	7	22	1.19±0.05	30	50
	MY D170		70±2	7.5	220	6	20	1.22±0.05	30	45
	MY D180		80±2	7.0	160	5	18	1.25±0.05	25	45
	MY D190		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 subtranslucent 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 ³	Dielectric strength kV/mm ≥	Volume resistivity Ω.cm≥
For extrusion	MY D240 wire	Ivory subtranslucent	40±2	7.0	440	14	19	1.13±0.05	20	3.0*10 ¹⁴
	MY D240 tube		40±2	7.0	400	12	19	1.13±0.05	20	3.0*10 ¹⁴
	MY D250 wire		50±2	8.0	440	14	20	1.18±0.05	20	3.0*10 ¹⁴
	MY D250 tube		52±2	8.0	380	12	20	1.18±0.05	20	3.0*10 ¹⁴
	MY D260 wire		60±2	7.5	360	14	22	1.20±0.05	20	3.0*10 ¹⁴
	MY D260 tube		62±2	7.5	300	12	22	1.20±0.05	20	3.0*10 ¹⁴
	MY D270 wire		70±2	7.0	240	14	20	1.22±0.05	20	3.0*10 ¹⁴
	MY D270 tube		71±2	7.0	200	12	20	1.22±0.05	20	3.0*10 ¹⁴
	MY D2810wire		80±2	7.0	180	10	20	1.25±0.05	20	3.0*10 ¹⁴

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IOTA D280	80±2	7.0	150	10	20	1.25±0.05	20	3.0*10 ¹⁴
tube								

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:

- General-purpose grade for extrusion
- Flexible processability
- Flexible comprehensive physical properties

Application:

- Electric wires, cables, sheaths, industrial and civil subtranslucent 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.
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