

TDS of Modified rubber for molding and extrusion

This product is manufactured with high-quality raw materials and has three series. Its special formula are designed for cable accessories and the molded or extruded products requiring some strength in ordinary industries. The product is corona-resistant and arc-resistant, with stable weatherability and electrical insulating property. It has high transparency and physical & mechanical properties. The rubber for molding is vulcanized with 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane as vulcanizing agent and the rubber for extrusion is vulcanized with vulcanizing agent DCBP (Di-(2,4-dichlorobenzoyl) Peroxide), particularly applicable to manufacturing of various wall bushings, cable accessories, electrical insulation products and other industrial products.

Typical Properties:

Category	Item	Appearance	Hardness Shore A	Tensile strength MPa \geq	Elongatio n at break \geq	Breaking set \leq	Tear strength B KN/m \geq	Specific density 25°C g/cm ³	Compression set 180*22h \leq	Resilience \geq
For molding	MY D341	Ivory	40 \pm 2	7.5	450	5	20	1.12 \pm 0.05	20	5.0 x 10 ¹⁴
	MY D345		45 \pm 2	8.0	420	6	20	1.14 \pm 0.05	20	5.0 x 10 ¹⁴
	MY D351		50 \pm 2	8.0	400	6	20	1.16 \pm 0.05	20	5.0 x 10 ¹⁴
	MY D3140	Translucent	40 \pm 2	7.5	450	5	20	1.12 \pm 0.05	20	5.0 x 10 ¹⁴
	MY D3150		50 \pm 2	8.0	400	6	20	1.16 \pm 0.05	20	5.0 x 10 ¹⁴
	MY D3160		60 \pm 2	8.0	300	9	20	1.20 \pm 0.05	20	5.0 x 10 ¹⁴

Physical data in the above table is for reference only.

Vulcanization condition: 175°C \times 5Min.

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

Advantage:

- Good processability
- Excellent comprehensive physical properties

Applications:

- Cable joints, sheaths and accessories

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/cm ³	Compression set 180*22h %≤	Resilience %≥
For extrusion	MY D3250	Ivory	52±2	8.5	420	10	20	1.18±0.05	20	5.0 x 10 ¹⁴
	MY D3260		62±2	8.0	300	9	20	1.20±0.05	20	5.0 x 10 ¹⁴
	MY D3270	Translucent	72±2	7.5	260	9	20	1.22±0.05	20	5.0 x 10 ¹⁴

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:

- Various silicone rubber tubes, conduits, heat-resisting sealing strips, wires and cable sheaths.

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.