

TDS of Food contact grade for molding

This product can be used to manufacture food contact molded silicone rubber products in compliance with FDA standard requirements. After vulcanized, this product has good transparency and superior physical and mechanical properties, such as the yellowing resistance. It complies with the requirements for manufacturing of seal ring products for pressure cooker in the hygienic standard GB4806.1.

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 D631	Ivory translucent	30 \pm 2	5.5	500	5	14	1.08 \pm 0.05	35	65
	MY D641		40 \pm 2	6.5	400	5	16	1.13 \pm 0.05	30	60
	MY D651		50 \pm 2	8.0	320	6	20	1.15 \pm 0.05	30	55
	MY D661		60 \pm 2	8.0	300	6	20	1.19 \pm 0.05	30	50
	MY D671		70 \pm 2	7.5	220	5	18	1.22 \pm 0.05	25	45
	MY D681		80 \pm 2	7.0	180	5	18	1.25 \pm 0.05	25	45

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
- Superior yellowing resistance



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Applications:

- Food contact molded silicone rubber 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.