

Technical Data Sheet

General Purpose Silicone Rubber - HS-3451

HS-3451 is a general purpose type heat cured silicone rubber compound for compression moulding and extrusion.

KEY FEATURES

- 50 durometer grades available.
- High rebound resilience.
- Good transparency.
- Good performance in compression moulding and extrusion processability.

APPLICATIONS

- Key-pads, O-rings
- Silicone rubber hose, strip and wire
- Cake molds, Kitchenware, Ice cubes
- Industrial rubber roller and other profiles

TYPICAL PROPERTY DATA

ASTM	Properties	Unit	HS-3451
	Appearance	/	Translucent
D792	Specific gravity	g/cm ³	1.14-1.18
D2240	Hardness	Shore A	48-52
D412	Tensile Strength	MPa	7.5
D412	Elongation	%	350
D624	Tear Strength	KN/m	17
D2632	Rebound	%	55
1. Add 0.7g of 2,5-dimethyl 2,5-di(t-butyl peroxy) hexane in 100g of silicone rubber. 2. 175°C*15 MPa *5minutes*2mm Above data values are base on single lot tested data and should not be used as specifications.			

SAFETY AND HANDLING

- Wear eye protection and protective gloves when handling this product.
- Appropriate ventilation system is advisable for the curing process.

STORAGE

- The shelf life is 6 months from the date of manufacture under 60°C with unopened package.
Storage beyond the shelf life does not necessary mean the product in the box is no longer usable.
However, is advisable to checked on the properties required for the intended use for quality assurance reasons.
- Store in room temperature and dry area, Avoid direct sunlight.
- Keep out of the reach of the children

PACKAGING

- 20kg/box