

Low Hardness Silicone Rubber

There are grade have a low hardness(Shore A 5 ~ 20) in the cure state.
There can be used in Silicone rubber products such as sporting goods and medical articles that require a soft feel.

FEATURES

- Low Hardness and high Elongation Property
- Excellent process ability in molding & Injection
- Complies with FDA and BfR recommendations for articles in contact with food



APPLICATIONS

- Swimming Cap, Goggle bands
- Baby Care
- High elastic article (Strip, Tape)

PROPERTIES

Catalyst : HC-8 / 1.8phr (171°C×10min / 200°C×4hrs)

Typical Properties	Test Method	SW-5	SW-8	SW-20
Colors	ASTM E 1767	Translucent		
William's plasticity	ADTM D 926	90	90	120
Specific gravity	ASTM D 792	1.01	1.01	1.06
Hardness	ASTM D 2240	8	10	20
Tensile strength (MPa)	ASTM D 412	2.5	4	5.5
Elongation (%)	ASTM D 412	1100	1000	950
Tear strength (kgf/cm)	ASTM D 624 "B"	4	4	12
	ASTM D 624 "C"	7	10	25
Compression set (%) ^{*1}	ASTM D 395	47	22	18
Linear shrinkage (%)	JIS K 6249	4.4	4.2	4.3

*1. Compression Set : 177°C×22hrs