TECHNICAL INFORMATION



Oil Bleed Silicone Rubber

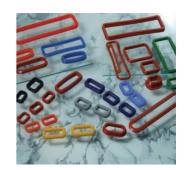
There are special silicone rubbers for self-sealing grommets and connectors of automobile industries.

FEATURES

- Good Heat and oil Resistance properties
- Excellent process ability in injection & molding
- Good Mechanical properties

APPLICATIONS

- Automotive article(Wire harness connectors, grommets, single wire gasket, flat gaskets)
- Industrial O-Ring, Oil Seal



PROPERTIES

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

Typical Properties		Test Method	SL-30U	SL-40U	SL-50U	SL-60U
Color		ASTM E 1767	Natural White			
William's plasticity		ADTM D 926	150	165	200	210
Specific gravity		ASTM D 792	1.1	1.13	1.16	1.17
Hardness		ASTM D 2240	30	40	50	60
Tensile strength (MPa)		ASTM D 412	7	7.5	8.5	8.5
Elongation (%)		ASTM D 412	500	400	300	260
Tear strength (kgf/cm)		ASTM D 624 "B"	10	10	10	11
		ASTM D 624 "C"	18	21	27	25
Linear Shrinkage (%)		JIS K 6249	4.3	3.9	3.5	3.3
Compression Set (%)		ASTM D 395	10	6	5	6
PROPERTIES CHANGE AFTER HEAT AGING TEST (ASTM D 573)						
225℃×96hrs	Hardness change		-11	-3	2	2
	Tensile strength change (%)		-45	-22	-16	-15
	Elongation change (%)		-20	-26	-20	-10
PROPERTIES CHANGE AFTER OIL IMMERSION TEST (ASTM D 471) ASTM #1.OIL						
150℃×70hrs	Hardness change		-11	-11	-12	-12
	Tensile Strength change (%)		-38	-28	-20	-22
	Elongation change(%)		-11	-10	-14	-12
	Volume change (%)		29	25	21	20

^{*1.} Compression Set: 177 °C × 22hrs