

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	ASTM 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°C×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°C×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