TECHNICAL INFORMATION



Oil Resistant Silicone Rubber

There are specially designed silicone rubber for the better oil resistance Specially to the ASTM #1 oil than other general silicone rubber grades.

FEATURES

- Specially designed for Oil Resistance
- Excellent all properties
- Excellent for compression molding and extrusion

H APPLICATIONS

• O-Ring, Automotive Rubber Parts, Seals

PROPERTIES

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

Typical Properties			HR-707/60U	HR-707/70U	HR-707/80
Color		ASTM E 1716	NATURAL		
William's plasticity		ASTM D 926	250	270	300
Specific Gravity		ASTM D 792	1.23	1.32	1.4
Hardness		ASTM D 2240	60	71	81
Tensile Strength (MPa)		ASTM D 412	6.5	7.5	7.0
Elongation (%)		ASTM D 412	250	200	150
Tear Strength (kgf/cm)		ASTM D 624 "B"	15	15	15
		ASTM D 624 "C"	28	24	23
Compression set (%) ^{*1}		ASTM D 395	28	30	33
PROPERTIES CHANGE AFTER OIL IMMERSION TEST (ASTM D 471) ASTM #1.0IL					
150℃ ×72hrs	Hardness change		-3	-2	-2
	Tensile Strength change (%)		-10	-9	-10
	Elongation change (%)		-12	-10	-10
	Volume change (%)		10	8	9

*1. Compression Set : 177 °C ×22hrs

[|] The information and data contained herein are based on information we believe reliable. You should thoroughly test any application, and independently conclude satisfactory performance before commercialization. Suggestions of uses should not be taken as inducements to infringe any particular patent.