

## Flame Retardant Silicone Rubber

There are specially designed for excellent flame retardant property and heat stability to be complied UL94V-0 on thickness.

### FEATURES

- Flame Retardant UL94V-0, (UL E-98818).
- Halogen Free.
- Good Heat Stability ( -50 °C ~ +250 °C ).
- Good Electrical Property & Excellent processability in molding & Extruding

### APPLICATIONS

- Flame Retardant Rubber Parts.
- Construction article (Fire- Proof gasket)
- PDP, TFT-LCD Lamp holder
- Special Wires.

### PROPERTIES

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

Typical Properties	Test Methods	HR-5020U		HR-7020U	
		(W)	(B)	(W)	(B)
Colors	ASTM E 1767	White	Black	White	Black
William's plasticity	ASTM D 926	200	200	250	250
Specific gravity	ASTM D 792	1.43	1.43	1.47	1.47
Hardness	ASTM D 2240	55	55	70	70
Tensile strength (MPa)	ASTM D 412	7.5	7.5	7.0	7.0
Elongation (%)	ASTM D 412	320	320	200	200
Tear Strength (kgf/cm)	ASTM D 624 "B"	12	12	15	15
Linear Shrinkage	JIS K 6249	3.2	3.2	2.5	2.5
Volume Resistivity (Ω·cm)	ASTM D 257	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>
Dielectric Strength (KV/mm)	ASTM D 149	25	25	25	25
Flame Retardant	UL-94	V-0	V-0	V-0	V-0