

High Voltage Cable Silicone Rubber

This is a specially designed silicone rubber for high dielectrics break down voltage and excellent other electrical properties, which are, required special silicone rubber cables.

FEATURES

- Excellent heat aging properties.
- Excellent dielectric strength.
- Excellent mechanical properties.
- Excellent extrusion workability.

APPLICATIONS

- High voltage FBT cable of electric microwave oven.
- High voltage C/TV cable/wires.
- High voltage aircraft cable.
- High voltage ignition cable of automobile
- High voltage parts, bushing, insulation tubes.

PROPERTIES

Catalyst : HC-2 / 1.5phr (116°C×10min / 200°C×4hrs)

Typical Properties		HR-700UHV
Color	ASTM E 1716	BEIGE WHITE
William's plasticity	ASTM D 926	250
Specific Gravity	ASTM D 792	1.2
Hardness	ASTM D 2240	70
Tensile Strength (MPa)	ASTM D 412	11
Elongation (%)	ASTM D 412	300
Tear Strength (kgf/cm)	ASTM D 624 "B"	14
	ASTM D 624 "C"	40
Volume Resistivity (ohm.cm)	ASTM D 257	1×10 ¹⁶
Dielectric Strength (KV/mm)	ASTM D 149	32
PROPERTIES CHANGE AFTER HEAT AGING TEST (ASTM D 573)		
220 °C×96hrs	Hardness change	+2~3
	Tensile strength change (%)	-3~10
	Elongation change (%)	-10~13
250 °C×72hrs	Hardness change	+3~6
	Tensile Strength change (%)	-10~18
	Elongation change (%)	-15~22