TECHNICAL INFORMATION



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			<u>Catalyst : HC-2 / 1.5phr (116 C×10min / 200 C×4hrs)</u>
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℃×96hrs	Hardness change		+2~3
	Tensile strength change (%)		-3~10
	Elongation change (%)		-10~13
250℃×72hrs	Hardness change		+3~6
	Tensile Strength change (%)		-10~18
	Elongation change (%)		-15~22

| 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.

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