

HTV silicone for High Voltage Insulator

Product description

The product enjoys good electrical insulation properties; good tracking & erosion resistance; good hydrophobicity and flame retardancy; good processibility for clamping or injection molding working craft etc...

Key Features

- 1) Excellent arc resistance and tracking resistance performance.
- 2) Excellent hydrophobicity.
- 3) Excellent tear strength, elongation rate.
- 4) Excellent flame retardant properties.
- 5) Excellent flow ability and mold releasing ability.
- 6) Shorten curing time.

Product application

- 1) Composite Insulators
- 2) Composite Surge Arresters
- 3) Insulation Sheath
- 4) Insulation Spacers

Typical technical parameters

Data	Type	RQ-2101	RQ-2102	RQ-2105
	Item			
Density	(g/cm ³)	1.50±0.03	1.50±0.03	1.45±0.03
Hardness	(Shore A durometer)	60±3	60±3	65±3
Tensile Strength	(MPa, ≥)	4.0	4.5	4.5
Elongation at Breakage	(%, ≥)	250	300	350
Tear Strength	(kN/m, ≥)	12	13	14
Permanent deformation	(%, ≤)	2.0	2.0	2.0
Volume Resistivity	(Ω.cm, ≥)	1×10 ¹⁵	3×10 ¹⁵	5.0×10 ¹⁵
Dielectric Constant	(ε)	3~4	3~4	3~4
Dielectric Loss Factor	(tgδ, ≤)	0.03	0.002	0.002
Dielectric Strength	(KV/mm, ≥)	18	21	23
Tracking Resistance&Erosion Resistance	(class)	TMA4.5,Depth of Erosion≤2.5mm		
Fire Resistance	(class)	UL 94V-0		

Colors and packaging: Red, gray, yellow, green, white, black, etc. 20KG / carton (Can be rollers, thin sheet, in coils, long strips.)

Storage and Validity: It is non-dangerous goods should be stored in a cool & dry place with the temperature below 25℃, valid for six months.