

# LSR for Electrical Insulation Products

## Product Description :

This is the 2 parts Liquid Silicone Rubber with Part A & Part B, which are mainly designed for Electrical Insulation Products such as Electric Bushings, Cable Accessories, Composite Insulators, Termination Joint kits & connectors...

## Key Features :

- 1 ) Excellent arc resistance and tracking resistance performance.
- 2 ) Excellent hydrophobicity.
- 3 ) Excellent tear strength, elongation rate.
- 4 ) Excellent flame retardant properties.

## Application Area :

- 1 ) Cable Accessories
- 2 ) Electrical Bushings
- 3 ) Cold shrinkage termination joints & connectors
- 4 ) Composite Insulators & Surge Arresters

## Technical Data:

Date		Type	RQ-8040	RQ-8140
		Item		
Color	Part-A	Grey or Semi-transparent	Grey or Semi-transparent	
	Part-B	Semi-transparent	Semi-transparent	
Viscosity (Pa.s,10/s)	Part-A	220~320	220~320	
	Part-B	200~300	200~300	
Mix ratio (wt/wt)		A:B = 1:1 (120 °C Curing Temperature, Operation Time ≤ 72h / 25°C )		
Test data (cured, 10min /120°C)				
Density	( g/cm <sup>3</sup> )	1.10±0.05	1.10±0.05	
Hardness	( Shore A )	40±1	40±1	
Tensile strength	( MPa , ≥ )	10.0	9.0	
Elongation at break	( % , ≥ )	750	650	
Tear strength	( kN/m , ≥ )	35	30	
Tension set after 168 hours at 90 °C at 300% extension		5	5	
Volume Resistivity	( Ω.cm , ≥ )	1×10 <sup>15</sup>	1×10 <sup>14</sup>	
Dielectric Constant	( 50Hz , ε <sub>r</sub> )	2.8~3.5	2.8~3.5	
Dissipation Factor	( tgδ , ≤ )	0.001	0.001	
Dielectric Strength	( kV/mm , ≥ )	25	24	
Arc resistance	( sec , > )	300	300	
Tracking Resistance and Erosion		1A 4.5	1A 3.5	



**Appearance & Packaging:**

Semi Transparent or Light Grey liquid packed in 20 kg or 200kg Drum.

**Storage:**

This Product is non-dangerous, it should be stored in a cool & dry area, avoid the sunlight & moisture, the shelf life is 12 months.

**Remarks:**

This above products have not been tested and been stated that can be used for the medical or pharmaceutical business cope, also not allowed for the human body injection.

