

## Quality Testing Report


Name of Sample	RTV 1 RTV coating	Test Date	2019/11/26
Report No.	RQ20191705	Batch No.	2019112601

No.	Testing Item	Testing standard	Unit	performance requirement	Testing Result	Judgement
1	Type	--		One-Part, RTV	One-Part, RTV	Pass
2	Color	Visual inspection	--	--	White	Pass
3	Density	ASTM D792	g/m <sup>3</sup>	1.10-1.25	1.24	Pass
4	Application Temperature Range	—	°C	5 °C to 60 °C	5 °C to 60 °C	Pass
5	Skin Over time at 25 °C and 50% relative humidity	ISO 1517-1973	mins	15 minutes	15 minutes	pass
6	Track free time at 25 °C and 50% relative humidity	ISO 1517-1973	mins	15 to 45 minutes	35 minutes	Pass
7	Percent of Solids by weight	ISO 3233-1984	%	≥70%	0.71	Pass
8	Dynamic Viscosity, cP (centipoise)	ASTM D 4283-83	Cp	1000 to 3500	2640	Pass



### Electrical Properties

9	Dielectric Strength	IEC 60243	V/mil	350 to 560 V/mil,	508 V/mil	Pass
10	Volume Resistivity	IEC 60093	Ohm.cm	1×10 <sup>14</sup> to 37×10 <sup>14</sup>	2.14×10 <sup>14</sup>	Pass
11	Dissipation Factor at 100Hz	IEC 60250		0.01 to 0.09	0.04	Pass
12	Dry Arc Resistance	IEC 60250	Track Seconds	180 to 200	192	Pass
13	Loss Tangent	IEC 60250	%	<0.6%	0.4	Pass
14	Tracking & Erosion Resistance	IEC 60587	mm	≥1A 4.5	0.1	Pass

15	1000 hours Tracking Wheel Withstand	IEC 62217	hrs	≥1000 hrs	pass	Pass
16	Receding Water Contact Angle	IEC/TS 62073-2003	degree	>80	85	Pass
17	100hrs Boiling Water Adhesion test	—	hrs	≥100 hrs	pass	Pass
Conclusion of Test		Qualified				
		Stamp for Test Report Sign date: 2019-11-26 				
Issue:			Authorize:			
Date:			Date:			