TECHNICAL DATA SHEET

SK2RF400-3

Release film

► DESCRIPTION

SK2RF400-3 – is high temperate polyimide film. It is widely used in composite applications for thermoplastic operations and for insulation purpose in electrical appliances which are used in special environment. Using the polyimide film in electrical appliances means reducing volume and weight of the electrical appliances while retaining the same output or increasing the capacity without increasing in frame size. It can also prolong the service life of the electrical appliances and increase their reliability.

► TECHNICAL DATA

- High temperature resistance
- Excellent dielectric withstand
- Good mechanical property
- Chemical resistance
- Flame retardant
- UL approved
- RoHS / REACH compliant

Technical properties			
Thickness, mm		0,025	0,050
Density		1.42 +/- 0.02 g/cc	
Maximum use temperature*		400°C	
Tensile strength, min	MD, MPa	135	
	TD, MPa	160	
Elongation, %, min		50	
Dielectric strength, min		4.5kv	
Shrinkage at 400°C, MD and TD, %, max		3	
Volume Resistance at 200+/-5°C, Ohm.m, min		10^{10}	
Surface Resistance at 200+/-5°C, Ohm, min		10^{13}	
Dielectric Constant, 48~62 Hz		3.5 +/-0.4	
Dissipation Factor,48~62 Hz, max		0.004	

The features are tested under room temperature (23°C) unless otherwise described.

► DIMENSIONS

- Core: 76mm and 152mm paper or plastic core
- Width: 1040mm max (220mm, 520mm, 660mm, 1000mm as standard), slit tape 5mm min
- Length: max. 1500m without splice

Storage conditions: it is recommended to store at temperatures between +10°C and +30°C in original packing.
* Maximum use temperature depends from the impacting duration and should be determined in actual process conditions.