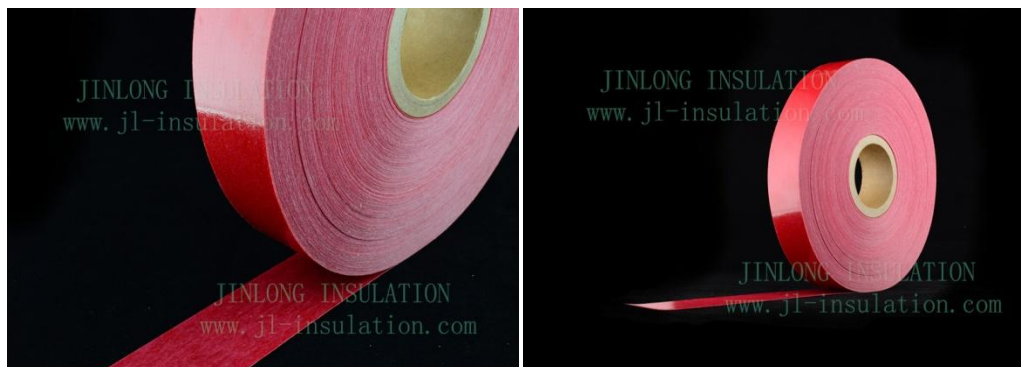


## 6440 Epoxy resin prepreg DMD



### **Composition:**

Epoxy-resin Prepreg DMD is a three-layer flexible composite material, consisting of PET film covered on both sides with non-woven fabric (some call this fabric dacron or flece), and is lacquered on both sides with an epoxy resin in F class.

### **Properties:**

Epoxy-resin Prepreg DMD has high electrical and mechanical strength and shows good adhesive properties against metallic surfaces.

It has sound dielectrically property and mechanical property. It is compatible with most gels, resins and varnishes. When cured to C-stage in moderate temperature, it will firmly adhere on the surfaces of copper or aluminum metals, without producing any small molecular volatiles.

### **Application:**

Epoxy-resin Prepreg DMD is suitable for layer insulation of copper foil or aluminum foil on low-tension coils of dry-type transformers as well as suitable for slot and turn-to-turn insulation of B-class and F-class motors and electrical appliances.

### **Store:**

Products in use process, can't into the water, solvent, grease and other impurities, should be kept dry, clean on, and room temperature, dry and well-ventilated environment.

### **Availability:**

- 1..Maximum width:1000mm
2. Width: 1000m Color: Red
3. UL and RoHS certificated.
4. High mechanical strength
5. Form: roll, sheet, tapes,

Products can be supplied in rolls or tapes according to customer requests.  
6.Special thickness or combination can be supplied according to customer.

## 6440 Epoxy resin prepreg DMD



Technical Specification	Unit	Index			
Products Name		6440 Epoxy resin prepreg DMD			
Thickness	mm	0.15	0.16	0.18	0.20
Thickness Tolerance	mm	$\pm 0.02$	$\pm 0.02$	$\pm 0.02$	$\pm 0.02$
Nominal Grammage and Tolerance	g/m <sup>2</sup>	$170 \pm 30$	$170 \pm 30$	$210 \pm 30$	$210 \pm 30$
Tensile Strength MD Unfolded	N/10mm	$\geq 80$	$\geq 80$	$\geq 80$	$\geq 100$
Soluble Resin Content	g/m <sup>2</sup>	$\geq 45$			
Dielectric Strength	Kv/mm	$\geq 40$			
Breakdown Voltage Unfolded	KV	$\geq 7$	$\geq 7$	$\geq 7$	$\geq 8$
Volatile Content	%	$\leq 1.5$			
Tensile Shear Strenght	Mpa	$\geq 3.0$			
Temperature Index		<b><math>\geq 155^{\circ}\text{C}</math> F class</b>			
Curing Time		135 $^{\circ}\text{C} \pm 2^{\circ}\text{C}$ /4 hours or 150 $^{\circ}\text{C} \pm 2^{\circ}\text{C}$ /3 hours			
Oil Resistance		150 $^{\circ}\text{C}$ /24h,surface smooth,no blister,no corrugation			

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## 6440 Epoxy resin prepreg DMD



Technical Specification	Unit	Index			
Products Name		6440 Epoxy resin prepreg DMD			
Thickness	mm	0.23	0.25	0.30	0.4
Thickness Tolerance	mm	±0.03	±0.03	±0.03	±0.04
Nominal Grammage and Tolerance	g/m <sup>2</sup>	240 ± 30	280 ± 30	380 ± 30	490 ± 30
Tensile Strength MD Unfolded	N/10mm	≥120	≥120	≥120	≥150
Soluble Resin Content	g/m <sup>2</sup>	≥45			
Dielectric Strength	Kv/mm	≥40			
Breakdown Voltage Unfolded	KV	≥8		≥10	
Volatile Content	%	≤1.5			
Tensile Shear Strenght	Mpa	≥3.0			
Tempererature Index		≥155°C F class			
Curing Time		135°C±2°C/4 hours or 150°C±2°C/3 hours			
Oil Resistance		150°C/24h,surface smooth,no blister,no corrugation			

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