

# High Performance Specialty

## PM 937 Typical Properties

PM 937 Phenolic is a single stage glass fiber, mineral/flour filled special purpose molding compound. It is especially designed for applications requiring high dimensional stability with excellent electric insulation property and good heat/flame resistance. Typical applications include coil bobbins, switches and terminal boards.

<b>Test Method</b> 测试方法	JIS (Japanese Industrial Standards)	
<b>Features</b> 特征	Glass filled	
<b>Colour</b> 色调	Black	
<b>Material Form</b> 粉末形状	Granular	
<b>Type</b> 种类	1-stage	
<b>Moulding Method</b> 成形方法	Injection	
<b>Physical Properties</b> 物理特性		
- Apparent Density 视密度	K6911	0.74
- Specific Gravity 比重	K6911	1.68
- Moulded Shrinkage 成形收缩率	K6911	0.68 %
- Water Absorption 吸水率	K6911	0.25 %
<b>Mechanical Properties</b> 机械特性		
- Flexural Strength 曲折强度	K6911	103 Mpa
- Compressive Strength 压缩强度	K6911	225 Mpa
- Charpy Impact 冲击强度	K6911	3.00 KJ/m <sup>2</sup>
- Deflection Temperature @ 1.82 Mpa - 荷重变形温度 @ 1.82 Mpa	K6911	190 °C
<b>Electrical Properties</b> 电气特性		
- Dielectric Strength @ 60 sec - 耐电压 @ 60 sec	K6911	11 MV/m
- Insulation Resistance 绝缘低抗		
- Before Boiling 常态	K6911	1 x 10 <sup>12</sup> ohm
- After Boiling 煮沸	K6911	1 x 10 <sup>11</sup> ohm
<b>Flame Resistance</b> 耐燃性		
- UL Flammability UL 燃烧性	UL94	V-0
- Thickness		0.48
<b>JIS Type</b> JIS 种类	EG-R	
<b>Applications</b> 用途	Micro switches, Switches, Connectors, etc.,	

**Note:** All specimens prepared by Transfer Moulding.



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