

# High Performance Specialty

## PM 9750 Typical Properties

PM 9750 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		0.43
<b>JIS Type</b> JIS 种类	HH-R	
<b>Applications</b> 用途	Bobbins, Switches, Connectors, etc.,	

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



SumiDurez Singapore Pte Ltd  
Tel: 65-62651717  
Fax: 65-62641916  
[www.sumidurez.com.sg](http://www.sumidurez.com.sg)

**Disclaimer:** The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. No warranty or guarantee, expressed or implied, is made regarding performance, stability or otherwise.



We Care