

118 Phenolic is a two-stage, asbestos free, general purpose molding material. It exhibits improved impact strength and resistance to flexural fatigue for demanding automotive, electrical and appliance applications. Shrinkage and mechanical strengths are closely controlled to meet part reliability requirements.

Test Method 测试方法	ASTM (American Society for Testing and Materials)	
Features 特征	Improved impact	
Colour 色调	Black	
Material Form 粉末形状	Granular	
Type 种类	2-stage	
Moulding Method 成形方法	Compression Injection	
Physical Properties 物理特性		
- Bulk Factor 体积系数	D1895	2.40
- Apparent Density 视密度	D1895	0.58 g/cm ³
- Specific Gravity 比重	D792	1.40
- Moulded Shrinkage 成形收缩率	D955	0.70 % ~ 1.10 %
- Water Absorption 吸水率	D570	0.50 %
Mechanical Properties 机械特性		
- Tensile Strength 引张强度	D638	8,000 psi (55 Mpa)
- Flexural Strength 曲折强度	D790	12,000 psi (83 Mpa)
- Compressive Strength 压缩强度	D695	30,000 psi (210 Mpa)
- Impact, Izod 冲击强度	D256	0.33 ft-lb/in (18 J/m)
- Tensile Modulus 引张弹性率	D638	1.4 x 10 ⁶ psi (9,700 Mpa)
- Deflection Temperature @ 264 psi - 荷重变形温度 @ 264 psi	D648	171 °C
Electrical Properties 电气特性		
- Dielectric Strength 耐电压	D149	400 V/mil
- Volume Resistivity 体积抵抗	D257	1 x 10 ¹² ohm-cm
Flame Resistance 耐燃性		
- UL Flammability UL 燃烧性	94V-1 @ 6.10 mm 94V-1 @ 3.15 mm	
ASTM Type ASTM 种类	2, 3	
Applications 用途	Circuit breaker Switches and relay housings, etc.,	

Note: All specimens prepared by Compression Moulding.



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