

General Purpose

111 Typical Properties

111 Phenolic is a two-stage, asbestos-free, general purpose moulding material. It exhibits versatile mouldability plus a balance of physical and electrical properties which make it suitable for many diverse applications.

Test Method 测试方法	ASTM (American Society for Testing and Materials)	
Features 特征	Moulding latitude	
Colour 色调	Black Brown	
Material Form 粉末形状	Granular	
Type 种类	2-stage	
Moulding Method 成形方法	Transfer Injection	
Physical Properties 物理特性		
- Bulk Factor 体积系数	D1895	2.30
- Apparent Density 视密度	D1895	0.62 g/cm ³
- Specific Gravity 比重	D792	1.42
- Moulded Shrinkage 成形收缩率	D955	0.80 % ~ 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	0.30 ft-lb/in (16 J/m)
- Tensile Modulus 引张弹性率	D638	1.2 x 10 ⁶ psi (8,300 Mpa)
- Deflection Temperature @ 264 psi - 荷重变形温度 @ 264 psi	D648	182 °C
Electrical Properties 电气特性		
- Dielectric Strength 耐电压	D149	375 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-0 @ 3.05 mm	
ASTM Type ASTM 种类	2	
Applications 用途	Kitchen appliances Electrical devices, etc.,	

Note: All specimens prepared by Compression Moulding.



SumiDurez Singapore Pte Ltd
Tel: 65-62651717
Fax: 65-62641916
www.sumidurez.com.sg

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