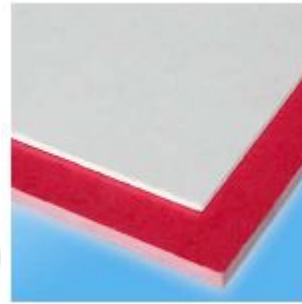


**SHEET MOULDING COMPOUNDS PRODUCTS**

Type: SMC

**FEATURE AND APPLICATION:** SMC (Sheet Moulding Compound) is mainly made up of stiff unsaturated polyester resins by chemicals、 fillers、 fibre reinforcement materials, Which solidified to form a single one under heating、 pressure moulding conditions. This product having high mechanical and dielectric properties,can be used in electrical machine and devices as insulating construction parts.



**SPECIFICATION:**

项 目 Item	单位 Unit	指 标 Value					
		SMC-1	SMC-2	SMC-3	DMC-1	DMC-2	DMC-3
密度 Density	g/cm <sup>3</sup>	1.75~1.95					
吸水性 Water absorption ≤	mg	20	—	—	20	—	—
模塑收缩率 Mold shrinkage ≤	%	0.15	—	0.30	0.15	—	0.30
热变形温度 (A 法) ≥ Heat deflection temperature (A)	℃	240	—	220	240	—	220
冲击强度(简支梁, 无缺口) ≥ Impact strength charpy	kJ/m <sup>2</sup>	90	60	45	30	25	20
抗弯强度 ≥ Flexural strength	MPa	170	150	135	90	80	70
绝缘电阻 Surface resistivity ≥ 常态时 Under normal ondition 浸水 24h 后 After impregnated in water for 24 hours	Ω	1×10 <sup>13</sup> 1×10 <sup>12</sup>		1×10 <sup>12</sup> —	1×10 <sup>13</sup> 1×10 <sup>12</sup>		1×10 <sup>12</sup> —
电气强度 (90℃变压器油中) ≥ Dielectric strength in 90℃ oil	MV/m	12.0	12.0	10.0	12.0	12.0	10.0
介质损耗因数 (1MHz) ≤ Dissipation factor (1MHz)	—	0.015	0.015	—	0.015	0.015	—
相对介电常数 (1MHz) ≤ Permittivity (1MHz)	—	4.5	4.5	—	4.5	4.5	—
耐电弧 ≥ Arc resistance	s	180	180	150	180	180	180
耐漏电起痕指数 (PTI) Proof tracking index (PTI)	v	600	600	600	600	600	600
燃烧性 Flammability	级	FV0	FV0	—	FV0	FV0	—
长期耐热性温度指数 Temperature index	—	155	155	130	155	155	130

标称面积: 1000×2000mm; 1250×2500mm  
Area of the sheets:1000×2000mm;1250×2500mm