

テクニカルデータシート

Durostone[®] UPM S2 white

GFK-UP

製品の特徴

- 特殊ビニルエステル樹脂をEガラスで補強
- SMC高圧積層板
- 高い機械的強度
- 極めて高い機械的強度および絶縁耐力

製品の用途例

- 電気
- 発電機およびモーター
- HVDC 送電
- 機械工学
- 風力
- 防弾

	試験法	単位	値
機械的物性			
密度	ISO 1183	g / cm ³	1,95
曲げ強度 ¹⁾ ⊥	ISO 178	MPa	350
曲げ強度 ¹⁾ ⊥ +130°C	ISO 178	MPa	175
たわみ荷重弾性係数	ISO 178	MPa	18000
たわみ荷重弾性係数 ¹⁾ ⊥ +130°C	ISO 178	MPa	12000
圧縮強度 [⊥]	ISO 604	MPa	480
引張強度II	ISO 527	MPa	220
衝撃強度(シャルピー衝撃試験)II	ISO 179	kJ / m ²	200
熱的物性			
燃焼性	UL 94	/	V0 / 5mm
煙濃度および毒性	NF F 16-101	/	F0
燃焼試験	NF P 92-501	/	M2
温度指数	IEC 60216	T.I.	155
絶縁階級	IEC 60085	/	F
機械的特性			
吸水率 (4mm厚)	ISO 62	%	0,5
電気的特性			
油中耐電圧90°C [⊥]	IEC 60243	kV / mm	12
油中耐電圧90°CII	IEC 60243	kV/25mm	75

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	試験法	単位	値
比誘電率 (50Hz)	IEC 60250	ϵ_r	4
誘電損率 (50 Hz)	IEC 60250	$\tan \delta$	0,01
表面固有抵抗	IEC 60093	Ω	10^{10}
比較トラッキング指数	IEC 60112	CTI	600

⊥ = perpendicular to the lamination || = parallel to the lamination

1) Sample size 80 x 10 x 4 mm, support distance 64 mm, tension zone unmachined

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Page 2 / 2 (Dates in DD/MM/YYYY)

