



S401FM |  clear

**ELECTRICAL**

	Method	Unit	Standard
Surface resistivity	ASTM D-257	DIN 53482	IEC 60093
Electrostatic discharge	MIL B-81705B	Ω/□	> 10 <sup>15</sup>
Dielectric constant	ASTM D-150	DIN 53483	IEC 60250
		s	

**PHYSICAL**

Density	ASTM D-792	DIN 53479	ISO 1183	g/cm <sup>3</sup>	1.47
Water absorption	ASTM D-270	DIN 53495	ISO 62A	%	0.3
Pencil hardness	JIS K5400				H
Grid adhesiveness	JIS D0202				

**OPTICAL**

Light transmittance	ASTM D-1003		ISO 13468	%	62
Haze	ASTM D-1003		ISO 14782	%	2
Refractive index	ASTM D-542		ISO 489		
Distinctness of image (DOI)	JIS K7105			%	

**MECHANICAL**

Tensile strength	ASTM D-638	DIN 53455	ISO 527	MPa	73
Tensile elongation at break	ASTM D-638	DIN 53455	ISO 527	%	33
Flexural strength	ASTM D-790	DIN 53452	ISO 178	MPa	105
Flexural modulus	ASTM D-790		ISO 178	MPa	3150
Compressive strength	ASTM D-695		ISO 604	MPa	
Charpy impact strength (23°C)			ISO 179-1	kJ/m <sup>2</sup>	2.1
Notched impact strength (23°C)	ASTM D-256		ISO 180	J/m	3

**THERMAL**

Heat deflection temperature	ASTM D-648	DIN 53461	ISO 75	°C	82
Coefficient of linear thermal expansion	ASTM D-696		ISO 11359	mm/mm°C	7 x 10 <sup>-5</sup>
Thermal conductivity	ASTM C-177			W/mK	0.16
Specific heat	ASTM C-177			KJ/kgK	
Heat shrinkage	JIS K6745			%	-1.5
Flammability	UL 94				FM4910 / V-0

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If not otherwise mentioned all data refer to a sheet thickness of 3mm. All data show the typical values, no guaranteed values for specification purpose. Date of publication:30.04.2022