

Herence™ 7155

Spring Sheets

Products Description

Herence™ 7155 is constructed of a woven glass fabric combined with a high temperature, easy machining epoxy resin. It's a type of thermoset composite material. The continuous operating temperature is about 155°C~180°C in mechanical applications.

Herence™ 7155 meets below material standard:

- IEC EPGC203
- NEMA G11

Thickness Range

- 2mm - 60mm

Specificaiton

- Thermoset composite material
- Excellent moisture resistance
- Flame-retardant grade is UL 94 HB

Application

- Structural, high humidity, and electrical insulation applications
- Layer solar cells
- Transformer

Table 1: HERENCE 7155 PHYSICAL PROPERITIRS

Appearance	Green yellow sheet
Water Absorption (Testing method acc.to ISO 62)	10.7mg
Flexural Strength (Testing method acc.to IEC60893)	
LW	690 Mpa
CW	607 Mpa
(Testing method acc.to IEC60893 E-1/150 T150)	
LW	528 Mpa
CW	399 Mpa
Charpy Impact Strength (Testing method acc.to ISO 179)	
LW	88 KJ/m2
CW	79 KJ/m2
Izod Impact Strength (Testing method acc. to ISO 180)	
LW	95 KJ/m2
CW	86 KJ/m2

Table 2: HERENCE 7155 ELECTRICAL AND THERMAL PROPERTIES

Temperature Index	155 F Class
Insulation Resistance (Testing method acc. to IEC 60893)	1.90 ×10 ⁷ MΩ
Dielectric Strength (Testing method acc. to IEC 60243)	21 kV/mm
Breakdown Voltage (Testing method acc. to IEC 60243)	40 KV

Instruction

- 1: The test results were based on three standard thicknesses: 1.588mm,3.175mm and 12.7mm
- 2: This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. The terms and conditions of the agreement under which it is sold will govern any sales of this product. Data supplied above are "typical values"; not to be considered "specification values". To assure the material's performance is adequate for a specific application; customers should verify, independent of herience, performance characteristics of interest.

Contact

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