

WS Hampshire Inc.

Over 100 Years of Non-Metallic Material Fabrication

Ryertex

The leading brand of Phenolics for over 50 years

Ryertex Grade G7

TECHNICAL DATA BULLETIN

GRADE: G7

U. L. LISTED: No

DESCRIPTION: Ryertex G7 is a glass fabric combined with a silicone resin that has excellent strength and electrical properties.

TYPICAL PROPERTIES

| GENERAL PHYSICAL PROPERTIES | UNITS | VALUE |
|--|---------------------|------------------------|
| Specific Gravity | - | 1.88 |
| Moisture Absorption (0.062) | % | 0.19 |
| Rockwell Hardness (0.500) | M Scale | 100 |
| Flexural Strength | Psi | 18,500 LW 15,400 CW |
| Bond Strength (0.500) | Lb | 600 |
| Izod Impact Strength | Ft-lb/in Notched | 17.0 8.5 |
| THERMAL & ELECTRICAL PROPERTIES | UNITS | VALUE |
| Electric Strength (0.062) | V/mil | 350 |
| Permittivity – Condition A | | 4.24 |
| -- Condition D-24/23 | | 4.34 |
| Dissipation Factor -- Condition A | | 0.0014 |
| -- Condition D-24/23 | | 0.0017 |
| Volume Resistivity | MΩ-cm | 4.0 X 10 ⁸ |
| Surface Resistivity | MΩ | 5.0 X 10 ⁸ |
| Arc Resistivity (D-495) | Sec | 240 |
| T _d – Resin Degradation Temperature | °C | >275 |

This data is believed to be accurate and based on general analytical data but is for informational use only. Data supplied above is considered "typical values" and not to be considered specific. It is the responsibility of the end user to insure they test the material to the application for assurance of compliance.