

WS Hampshire Inc.

Over 100 Years of Non-Metallic Material Fabrication

Ryertex

The leading brand of Phenolics for over 50 years

Ryertex HD/M-tube

TECHNICAL DATA BULLETIN

GRADE: 60

U. L. LISTED: No

Ryertex HD/M-tube consists of a heavy-weight canvas cloth (24oz/syd) and a *molybdenum disulfide* which is a non-conductive additive providing internal lubrication to reduce frictional heat and extend bearing and metal shaft life when water or oil cooling is not desired. The cured material creates a homogenous construction with a black color. Ryertex HD/M-Tube laminates offer high load-bearing capacities at high speeds with a coefficient of thermal expansion value equivalent to those of brass and bronze but will not seize to metal shafts which reduces maintenance downtime and provides optimal part performance. Tested Thickness: ID=2.00"; OD=2.50"

TYPICAL PROPERTIES

| GENERAL PHYSICAL PROPERTIES | UNITS | VALUE |
|-------------------------------|---------|------------------|
| Specific Gravity | - | 1.34 |
| Moisture Absorption | % | 1.30 |
| Rockwell Hardness | M Scale | 80 |
| Tensile Strength | psi | 5,500 |
| Compressive Strength | psi | 18,500 |
| Maximum Operating Temperature | C | 140 ¹ |
| Flammability Rating | U.L. 94 | HB |

All testing per ASTM D-348 unless otherwise noted. This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. Data supplied above are "typical values"; not to be considered "specification values". It is the responsibility of the users of this information to make sure that they have the latest version of this TDB, and are urged to check with Customer Service to determine if information is most current. ¹ This temperature is a recommendation only. The maximum operating temperature is dependent upon the application and should be tested accordingly.