

**1.0 SCOPE**

- 1.1 This specification describes the requirements for 140, a vegetable fiber sheet impregnated with a protein and glycerine binder.
- 1.2 140 is applicable for use against water, gasoline, heating oils, diesel fuel, alcohol, lacquers, ketones, and other organic solvents.

**2.0 CONTENT AND CONSTRUCTION**

- 2.1 Ingredients
  - 2.1.1 Cellulose Fiber
  - 2.1.2 Protein
  - 2.1.3 Glycerine
- 2.2 Construction
  - 2.2.1 140 shall be a compressed sheet.

**3.0 PHYSICAL, THERMAL, AND CHEMICAL CHARACTERISTICS**

- 3.1 Physical Characteristics
  - 3.1.1 Maximum Pressure - 250 PSI (17 BAR)
  - 3.1.2 Compressibility - 25-40%
  - 3.1.3 Recovery - 40% minimum
  - 3.1.4 Tensile Strength - 2000 PSI (14 N/mm<sup>2</sup>) minimum
  - 3.1.5 Specific Gravity - 0.81
  - 3.1.6 Color - Brown
- 3.2 Thermal Characteristics
  - 3.2.1 Maximum Service Temperature - 250° F (120° C)
- 3.3 Chemical Properties
  - 3.3.1 Chemical Incompatibility - Strong acids, alkalies and inorganic solvents

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