SUBZERO ENGINEERING

Material Specification Sheet
USDA LOW TEMP

USDA Low Temp • Vinyl Compound



The USDA Low-Temp is a 100% virgin vinyl compound. The polyvinyl chloride resin used to make this compound has been granted prior sanction by the F.D.A. in accordance with the regulations under paragraph 121.3 published in the Federal Register: February 2, 1960; 24 F.R. 2435.

The plasticizers and all of the other ingredients in this compound have F.D.A. approval as listed under paragraph 121.2001, Subpart E. Substances Employed in the Manufacture of Food Packaging Materials. This was published in the Federal Register: October 12, 1986; 33 F.R. 15281.

TYPICAL PROPERTIES

CHARACTERISTIC	VALUE
Specific Gravity (ASTM D792)	1.20
Durometer Hardness, 10 Sec. Delay (ASTM D2240)	70A
Tensile Strength (ASTM D412)	2200 PSI
Ultimate Elongation (ASTM D412)	400%
Graves Tear Strength (ASTM D1004)	200 PPI
100% Modulus (ASTM D412)	1000 PSI

OTHER PROPERTIES

CHARACTERISTIC	VALUE
UV Resistance	Yes
Low Temperature Brittleness (ASTM D746)	-67° F / -55° C
Operating Temperature	-30° F to 125° F
Flammability (U.L. 94 V-0)	Pass

HEALTH & SAFETY

CAUTION!

When handling any products, read the manufacturers' container labels and the Article Information Sheets (AIS) for important health, safety, and environmental information.

NOTE:

When using any equipment, always follow the manufacturer's instructions for safe operation.

IMPORTANT:

Complete test results for outgassing, anti-static and flame spread available upon request. We believe these tests to be reliable and accurate to the best of our knowledge but cannot warranty for processes and applications beyond our control.

*Typical Properties should be considered representative or typical only and should not be used for specification purposes.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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