SUBZERO ENGINEERING

Material Specification Sheet
FlexSim™

FlexSim™ · Vinyl Compound

FlexSim™ is a vinyl compound.



TYPICAL PROPERTIES

CHARACTERISTIC	VALUE
Specific Gravity (ASTM D792)	1.26
Durometer Hardness (ASTM D2240)	85A
Tensile Strength (ASTM D412)	2950 PSI
Ultimate Elongation (ASTM D412)	290%
Ultimate Tear PSI (ASTM D1004)	570 LBF/IN
100% Modulus (ASTM D412)	1400 PSI

OTHER PROPERTIES

CHARACTERISTIC	VALUE
UV Stability (In Sunlight)	Excellent
Low Temperature Brittleness (ASTM D746)	0° F / -17° C
Min. Operating Temperature	32° F / 0° C
Flammability (U.L. 94 V-0)	Pass
Flammability (N.F.P.A 701)	Pass
Flame Spread (ASTM E84-91A)	20
Smoke Density (ASTM E84-91A)	400

STM E84-91A: "Standard Method of Test for Surface Burning Characteristics of Building Materials."

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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