



INSULTHERM® HEADER WRAP SI

AMORPHOUS SILICA · WITHSTANDS HEAT UP TO 2,000°F
INCREASES HORSEPOWER & FUEL EFFICIENCY

Insultherm® Header Wrap SI is extremely high temperature resistant. Commonly used on the headers and exhaust. Header Wrap SI is made from texturized amorphous silica filament yarn woven into a strong and flexible form. Because the yarn is texturized into a bulky form it provides excellent insulating values. Header Wrap SI is not made from leached fiberglass, resulting in a much more wear resistant finished product. It reduces under-hood temp. up to 70%, increases horsepower and fuel efficiency. Insultherm® Header Wrap SI works by holding heat within the header, which creates a better exhaust flow. This allows easy removal of spent gases and creates more airflow to the engine.

SIZING CHART

Wall Thickness	Part #	Width	*Put-Ups			Available Colors	Lbs/100'
			S	M	L		
1/16"	HSN1.00NT	1"	25'	50'	100'	1	1.50
1/16"	HSN2.00NT	2"	25'	50'	100'	1	3.05

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

FEATURES

Material	Amorphous Silica
Grade	HSN
Wall Thickness	.0625"
Drawing Number	TF001HSN-WD
Cutting	Scissors

COLORS



Natural (NT)

CERTIFICATIONS





ABRASION

Abrasion Resistance	LOW
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	75°F
Humidity	65%
Material Showing Visible Wear	75 Test Cycles
Material Destroyed	225 Test Cycles
Pre-Test Weight	11,600.70 mg
Post-Test Weight	9,518.62 mg
Test End Loss Of Mass Point Of Destruction	2,082.08 mg

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	Non Flammable
Recommended Cutting	Scissors
Colors	1
Wall Thickness	.625"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	NA
Specific Gravity (ASTM D-792)	2.2
Moisture Absorption % (ASTM D-570)	NA
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	NA
CVCM	NA
WVR	NA
Smoke D-Max (ASTM E-662)	NA
Outgassing	NA
Oxygen Index (ASTM D-2863)	NA

FLAMMABILITY

Rating	Non Flammable
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	3,000°F / 1,649°C
Maximum Continuous (Mil-I-23053)	2,000°F / 1,093°C
Minimum Continuous	

CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	1
Salt Water (O-S-1926)	1
Hydraulic Fluid (MIL-H-5606)	1
Lube Oil (MIL-L-7808)	1
De-Icing Fluid (MIL-A-8243)	1
Strong Acids	2
Strong Oxidants	2
Esters/Ketones	1
UV Light	2
Petroleum	1
Fungus (ASTM G-21)	1
Halogen Free	Yes
RoHS	Yes
SVHC	NA