



TYPICAL PHYSICAL PROPERTIES

Tensile Strength ASTM D638	± 5,200 psi (36 mpa)
Elongation ASTM D638	± 300%
Hardness (Shore A) ASTM D2240	100 ± 5
Hardness (Shore D) ASTM D2240-81	65 ± 5
*Exposure Temperature <small>*Test performed in a dry, static environment</small>	-40°F to +350°F (-40°C to +176°C)

COLORS

Dragon Jacket S3™ is available in high pigment black and silver. Custom colors will be quoted upon request.

TEST METHOD: 3,000 hour QUV Test with 0 degradation. Longer term testing is ongoing, and results will be available upon request.

**It should be noted that Dragon Jacket S3™ is an aromatic polyurea; therefore, as with all aromatics, color change and superficial oxidation will occur.*

HEAT FLOW METER THERMAL TRANSMISSION (R-VALUE)

Test Specimen ID	1
Test Duration (Minutes)	50
Average Heat Flux (Btu/hr·ft ²)	3.99
Average Thermal Conductance - C (Btu/hr·ft ² ·°F)	0.080
Average Thermal Resistance - R (hr·ft ² ·°F/Btu)	12.53
Average Thermal Resistance - R _{si} (m ² ·K/W)	2.21
Average Thermal Resistivity - r (hr·ft ² ·°F/Btu-in)	5.74
Apparent Thermal Conductivity - k (Btu-in/hr·ft ² ·°F)	0.174
Specimen Average Thickness (inches)	2.183
†Specimine Average Density (lbs/ft ³)	5.7

TEST METHOD

ASTM C518-10, Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.

†The density of the sample was determined by dividing the average weight of the sample by its volume. The weight was measured using a calibrated scale and the volume was determined by measuring the length, width, and height of a sample.

TEST INFORMATION

Abrasion Resistance ASTM D4060 1,000 g - 10,000 cycles	H-18 Wheel	33 mg lost	CS-17 Wheel	0.06 mg lost
Mandrel Bend Test ASTM D522-13	Passed Mandrel Size 1"		Test Temperature -60°F	

