



MODEL: CDH-2000

Thermal Insulation Cold Face Material

PRODUCT COMPOSITION [GAUGE]

<u>Silicone Rubber</u>	Proprietary flame retardant formulation
<u>Side One</u>	Cured silicone rubber
<u>Side Two</u>	Cured silicone rubber
<u>Base Fabric</u>	Fiberglass Satin Weave

PHYSICAL PROPERTIES

TEST METHOD

METRIC

<u>Composite Weight</u>	ASTM D3776-96	561 g/m ² +/- 300
<u>Nominal Thickness</u>	ASTM D1777-96	0.381mm +/- 0.2mm
<u>Tensile Strength</u>	ASTM D412-92	4000 N max - warp 4000 N max- fill
<u>Tear Strength</u>	ASTM D5735	400 N min – warp 400 N min - fill
<u>Elongation</u>	ASTM D412-92	20% min
<u>Durometer</u>	Shore A	55 +/-5
<u>Flammibility</u>	FED 191/5903.2	Char length 2.54cm max, afterglow 1 sec max, flame out 1 second max
<u>High Temperature Resistance</u>	FED SPEC HHB-100B	-54C to 315C
<u>Bond Strength</u>	ASTM D751	100 N min
<u>Color</u>	Gray	



CDH-2000

Manufactured in a blanket form, this extremely flexible medium duty high temperature blanket combines excellent weather resistance and spatter resistance to outperform most standard woven fibrous welding cloths.

- Manufactured with a smooth silicone coating on both sides to contain the fiberglass substrate while increasing weather resistance.
- The hydrophobic, low surface energy, non-stick properties of the silicone coating repels hot metal spatter, sparks, flame and intense heat.
- Can be cut and custom fabricated to varying sizes and shapes from simple custom fabricated hanging safety curtains to intricate robotic arm or equipment covers.
- May be used for medium- severe duty heavy welding/cutting/gouging applications.
- Combination of medium duty silicone shield coating on both sides of a high temperature fiberglass substrate help insulate and defend against intermittent bouts of spark and spatter, flame impingement, burning airborne debris and high temperatures.

Dimensional Data

blanket is a medium duty cloth at $\sim 17\text{oz/yd}^2$ and sold in standard 60" widths in lengths up to 150ft. Worbo Inc. will custom cut or fabricate to your specific project requirements.

Temperature

Base fiberglass substrate is rated to 1100°F continuous, medium weight smooth silicone coating will protect against short duration temperature extremes of 3000°F and 500°F continuous.

Environmental Resistance

Excellent resistance to ozone, oxidization, UV, corona, cosmic radiation, ionizing radiation and weathering in general.

Flammability

Non-flammable – Self extinguishing.

