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**MIL SPECIFICATION**

**Film:** MIL PRF 131 CI

**Pouch:** MIL DTL 117 T1 CE S1

**QPL MIL-PRF-131K**

**Barrier Material: Water vapor proof, Greaseproof, Flexible, Heat-Sealable, Class 1**

Application:

Cadpak HD100 is a heavy duty foil barrier film used where very low oxygen and moisture levels are required. It is silver in color with a green interior sealant layer. The film has red Mil Spec printing on exterior silver layer. It is used extensively in military applications where a cost-effective, heavy duty, high barrier material is required. Typical uses are vacuum crating and pouches for moisture/oxygen sensitive items. Product protection inside export crating is another common application for this film.

Converting:

Cadpak HD100 can be converted in many ways: 2-seal pouch, 3-seal pouch, side gusset, stand up pouch and tubing. Features include: recloseable zipper, tear notch, round hang hole, and sombrero hang hole.

Physical Properties:

PROPERTIES	TEST METHOD	UNIT OF MEASURE	TYPICAL VALUE
Caliper	ASTM D2103	mils	7.9
Yield (nominal)	CALCULATED	ln <sup>2</sup> /lb	3459
MVTR	ASTM F1249	g/100 in <sup>2</sup> /Day @ 90% RH 40° C	.0005
OTR	ASTM D3985	cc/100 in <sup>2</sup> /day @ 0%RH 23° C	.0005
Puncture	MIL STD 3010	Lbs	26
Tensile Strength	ASTM D882	Lbs/in	25
Breaking strength	MIL STD 3010	Lbs (grab method)	>400
Seal strength	ASTM F88	Lbs/in	25

**Suggested Sealing Conditions:** 435°F, 60psi, 3.0 sec

The values indicated in this document are the results of tests made in compliance with the normal standards. They are given as an indication and should be considered as average values and given without any obligation on our part. This data was provided directly to Shannon from our film supplier.