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TEXAS TECHNOLOGIES, Inc.

CT100 – "Cleantuff"

Specification Sheet

	Value	Specification
Density (Specific Gravity)	.925	ASTM D 1505
Gauge, Gauge Tolerance	4 mil, +/- 10%	ASTM D 374
Tensile Strength @ Break		ASTM D 882
MD	4350 PSI	
TD	4270 PSI	
Elongation Strength		ASTM D 882
MD	410%	
TD	675%	
Dart Impact	552 Grams	ASTM D 1709
Cleanliness	LVL 50 & LVL 100	IEST-CC1246D
Tear resistance (Elmendorf)		ASTM D 1922

Sample Type	**MVTR** g/ M^2 /day	**MVTR** g/ 100^2 in.. /day	**Test** Temperature	**Conditions** RH N_2
CT100 (.004)	2.70	0.174	37.8^0 C	90%

Sample Type	**Oxygen Transfer Rate**
CT100	65.4cc/100 ^{2} in/24 Hrs.

ASTM E595-07	Specification Limits	Results	Detection Limits
Total Mass Loss (TML)	1.0% Maximum	0.13	0.01
Collected Volatile Condensable Material (CVCM)	0.10 % Maximum	0.06	0.01
Water vapor recovered (WVR)	Report	< 0.01	0.01

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Specification Sheet (cont.)

Leachable Anions by IC

Analyte	Reporting Limit (ng/cm²)	Sample Results (ng/cm²)
Bromide	0.2	*
Chloride	0.1	0.2
Flouride	0.03	*
Nitrate	0.2	*
Nitrite	0.1	*
Phosphate	0.2	*
Sulfate	0.2	*

* - Reported results are less than the reporting limit

Leachable Monovalent & Divalent Cations by IC

Analyte	Reporting Limit (ng/cm²)	Sample Results (ng/cm²)
Lithium	0.2	*
Sodium	0.1	*
Ammonium	0.2	*
Potassium	0.2	*
Magnesium	0.2	*
Calcium	0.2	*

* - Reported results are less than the reporting limit

Leachable Total Oxidizable Carbon

Reporting Limit	3
Measured	10

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Specification Sheet (cont.)

Leachable Laser Particle Count

Leaching Volume=300 ml / Surface Area=948 cm^2 / Leaching Time = 1 HR.

	Measured (counts/cm^2)
Particles >= 0.3 um	470
Particles >= 0.5 um	75
Particles >= 0.75 um	25
Particles >= 1.0 um	7.4
Particles >= 2.0 um	1.5
Particles >= 5.0 um	0.2

NVR

Cleantuff Sample	10.3 ug/cm^2