

CAROLINA
INDUSTRIAL

SOFTEK **2462C / 2473L** ESD Dissipative

The ESD protection that evolves with you: now also for Class A parts

Carolina Industrial presents Softek 2462C / 2473L ESD Dissipative, a unique material that combines electronic protection and care for high-value finishes. Designed for the new generation of auto parts, it offers a comprehensive solution that no one else in the market provides.



The automotive industry has changed: every part integrates microelectronic components and delicate surfaces such as chrome, high-gloss, leather, and decorative finishes. Softek 2462C / 2473L ESD Dissipative responds to this need with innovation and reliability.

Main Features

- Dissipative ESD protection in the optimal range (10^8), stable and safe for electronic components.
- Protection for Class A finishes, preventing scratches, marks, or deterioration.
- Compatibility with stitching, thanks to Carolina engineering.
- Durability of up to 5 years with low maintenance cost.
- Technological evolution: Cortilona ESD Softek 2462C ESD Dissipative.

Benefits

- Lower risk of scrap due to electronic or surface damage
- Unique solution in the market: simultaneously protects electronics and finishes
- Specialized material for next-generation auto parts

**From dissipative ESD protection...
to total auto part protection.**

For more information or to request a sample, visit our website or contact our sales team. We are here to help you raise your transportation standards.

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Want to know more?



CARACTERÍSTICAS TÉCNICAS TECHNICAL CHARACTERISTICS	UNIDADES UNITS	MÉTODO DE PRUEBA TEST METHOD	ESPECIFICACIÓN SPECIFICATION
Masa total • Total weight	g/m ² • oz/yd ²	ASTM D3776	210 ± 5% • 6.2 ± 5%
Ancho • Width	cm	ASTM D3774	160 + 1
Espesor • Thickness	mm	ASTM D1777	0.65 ± 0.05
PROPIEDADES TENSILES TENSILE PROPERTIES	UNIDADES UNITS	MÉTODO DE PRUEBA TEST METHOD	ESPECIFICACIÓN SPECIFICATION
Resistencia al rasgado (trapezoidal) - MD* / CD* Trapezoidal tear strength - MD* / CD*	N	ASTM D5587	139 / 127
Resistencia al punto de rotura (Grab) - MD* / CD* Tensile strength (Grab) - MD* / CD*	N / 2.5 cm	ASTM D5034	132 / 119
Alargamiento al punto de rotura - MD* / CD* Elongation - MD* / CD*	%	ASTM D5034	15 / 22
VALORES DE RESISTENCIA ELÉCTRICA ELECTRICAL RESISTANCE VALUES	UNIDADES UNITS	MÉTODO DE PRUEBA TEST METHOD	ESPECIFICACIÓN SPECIFICATION
Resistencia superficial Surface resistance	ohms	ANSI-ESD STM 2.1 Section 5.4	1 x 10 ⁶ - 1 x 10 ⁹
Composición • Composition			
Tyvek® 2642C con acabado ESD disipativo • Tyvek® 2642C with an ESD dissipative finish			
Normatividad ESD • ESD Normativity			
Cumple con los requerimientos establecidos por el estándar ANSI/ESD S20.20-2021 Complies with the requirements established by ANSI/ESD S20.20-2021			
Longitud de los rollos • Roll Length	Sistema de Gestión de Calidad • Quality Management System		
Rollos por 100 metros lineales equivalentes a 109.36 yardas lineales 100 lineal meters equivalent to 109.36 lineal yards	ISO 9001 : 2015		

*MD - Machine Direction - Dirección de máquina
*CD - Cross Direction - Dirección transversal

Condiciones de mantenimiento • Maintenance conditions

- Emplear solo limpiadores biodegradables con pH neutro siguiendo las instrucciones de dosificación y dilución del fabricante / Use only biodegradable cleaners with neutral pH, following the manufacturer's dosage and dilution instructions.
- Evite el uso de solventes / Avoid using solvents
- No usar elementos abrasivos, por ejemplo lijas o cepillos / Avoid using abrasive elements like brushes or sandpaper
- Emplear solo elementos de textura suave / Use soft texture elements only
- Limpiar bajo sombra / Clean in the shade, avoid direct sunlight
- Secar perfectamente / Dry completely
- Almacenar bajo techo / Store indoors

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Dunnage

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CARACTERÍSTICAS TÉCNICAS TECHNICAL CHARACTERISTICS	UNIDADES UNITS	MÉTODO DE PRUEBA TEST METHOD	ESPECIFICACIÓN SPECIFICATION
Masa total • Total weight	g/m ² • oz/yd ²	ASTM D3776	188 ± 5% • 5.54 ± 5%
Ancho • Width	cm	ASTM D3774	152 + 1
Espesor • Thickness	mm	ASTM D1777	0.64 ± 0.05
PROPIEDADES TENSILES TENSILE PROPERTIES	UNIDADES UNITS	MÉTODO DE PRUEBA TEST METHOD	ESPECIFICACIÓN SPECIFICATION
Resistencia al rasgado (trapezoidal) - MD* / CD* Trapezoidal tear strength - MD* / CD*	N	ASTM D5587	120 / 122
Resistencia al punto de rotura (Grab) - MD* / CD* Tensile strength (Grab) - MD* / CD*	N / 2.5 cm	ASTM D5034	240 / 179
Alargamiento al punto de rotura - MD* / CD* Elongation - MD* / CD*	%	ASTM D5034	15 / 24
VALORES DE RESISTENCIA ELÉCTRICA ELECTRICAL RESISTANCE VALUES	UNIDADES UNITS	MÉTODO DE PRUEBA TEST METHOD	ESPECIFICACIÓN SPECIFICATION
Resistencia superficial Surface resistance	ohms	ANSI-ESD STM 2.1 Section 5.4	1 x 10 ⁶ - 1 x 10 ⁹
Configuración • Configuration			
Tyvek® 2473L con acabado ESD disipativo • Tyvek® 2473L with an ESD dissipative finish			
Normatividad ESD • ESD Normativity			
Cumple con los requerimientos establecidos por el estándar ANSI/ESD S20.20-2021 Complies with the requirements established by ANSI/ESD S20.20-2021			
Longitud de los rollos • Roll Length	Sistema de Gestión de Calidad • Quality Management System		
Rollos por 100 metros lineales equivalentes a 109.36 yardas lineales 100 lineal meters equivalent to 109.36 lineal yards	ISO 9001 : 2015		

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- Emplear solo elementos de textura suave / *Use soft texture elements only*
- Limpiar bajo sombra / *Clean in the shade, avoid direct sunlight*
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- Almacenar bajo techo / *Store indoors*

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Certificate of Compliance

*Stromlab certifies that the static-protective tyvek by Carolina Performance
They have been tested in conformance to corresponding test methods:*

Test Method: **ANSI/ESD STM11.11-2022, ESD ADV11.2-1995**

Base standards: **ANSI/ESDS20.20-2021, ANSI/ESD S541-2019**

Material: Tyvek® + Dissipative coating

Test environment: **12 % RH ± 3%** @23 °C ±3 °C for 48 hrs.

Surface resistance avg: 8.36E+08 Ω (White side)

Voltage Generation avg: 6.67 V

Material property: **LOW CHARGE** Limit > 200 V
DISSIPATIVE (White Side) Limit ≥ 1.0E+04 Ω < 1.0E+11 Ω

Test equipment:

Prostat PRS-801B Resistance System SN 10193
Prostat PRF-911 Concentric Ring Fixture SN PRF669
ets 5532 Controlled Environment Chamber SN 126

Cal. Due:
Aug 23, 2025
Apr 15, 2025
Dec 2, 2025

ESD Analyst: Yvonne Gutiérrez

Certificate support: Report 25006

Zapopan, Jal., México February 4, 2025



Eng. Roberto Martínez Santana
ESD Control Director

CERTIFICATION ID: CVCT 0064 / I18L1-I25



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Base standards: **ANSI/ESDS20.20-2021, ANSI/ESD S541-2019**

Material: Tyvek® + Dissipative coating

Test environment: **12 % RH ± 3%** @23 °C ±3 °C for 48 hrs.

Surface resistance avg: 2.35E+08 Ω

Voltage Generation avg: 3.17 V

Material property: **DISSIPATIVE** Limit ≥ 1.0E+04 Ω < 1.0E+11 Ω

Test equipment:

Prostat PRS-801B Resistance System SN 10193
Prostat PRF-911 Concentric Ring Fixture SN PRF669
ets 5532 Controlled Environment Chamber SN 126

Cal. Due:
Aug 23, 2025
Apr 15, 2025
Dec 2, 2025

ESD Analyst: Yvonne Gutiérrez

Certificate support: Report 25023

Zapopan, Jal., México February 24, 2025




Eng. Roberto Martínez Santana
ESD Control Director

CERTIFICATION ID: CVCT 0064 / I18L1-I25