



# MAKROFOL<sup>®</sup> DE 7-2 901510

## Characterization

Makrofol DE 7-2 901510 is a black extrusion film based on Makrolon<sup>®</sup> polycarbonate.

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## Properties / Applications

Makrofol DE 7-2 901510 typical applications are trade show displays, electrical insulation and other industrial mechanical applications.

Makrofol DE 7-2 901510 is available in various standard thicknesses from 0.010 " to 0.040 " (250 microns to 750 microns). Other thicknesses are available on request. The surface combination of Makrofol DE 7-2 901510 is one side velvet and one side very fine matte. As with any product, use of Makrofol DE 7-2 901510 in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

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## Typical Properties\*

Property	Test Method	Unit	Value
<b>General</b>			
Specific Gravity	ASTM D 792		1.20
Conversion Factor		ft <sup>2</sup> /lb•mil   m <sup>2</sup> /kg•mm	161   0.833
Roughness, R3z, top side	ISO 4287/88	µm	16 to 23
Roughness, R3z, reverse side	ISO 4287/88	µm	≤ 9.0
Surface			velvet/v.f.matte
<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D 882	psi	8,080
Tensile Strength, Break	ASTM D 882	psi	8,100
Elongation at Break	ASTM D 882	%	120
Tear Strength, Initiation	ASTM D 1004	lb/in	740
<b>Thermal</b>			
Coefficient of linear thermal expansion parallel 20°C to 120°C	DIN 53752	10 <sup>-6</sup> /K	70
Coefficient of linear thermal expansion across 20°C to 120°C	DIN 53752	10 <sup>-6</sup> /K	70
<b>Optical</b>			
Light Transmittance	ASTM D 1003	%	black
<b>Other</b>			
Water Absorption (immersion at 73°F/24h)	ASTM D 570	%	0.11

\*These items are provided as general information only. They are approximate values and are not part of the product specifications.



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## Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., safety data sheets and product labels. For further information contact your Covestro LLC representative or the Product Safety and Regulatory Affairs Department in Pittsburgh, PA.

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Document contains important information and must be read in its entirety.

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 **Makrofol<sup>®</sup>**  
Product Datasheet