



BAYFOL® AS-A 2-4 960001

Polycarbonate/Polyester Blend Film

Description and Application

Bayfol AS-A 2-4 960001 is an extrusion film based on Makrolon® (PC)/Polyester (PBT) blend. It has very low surface resistivity. The color is opaque black. Typical applications are electronic packaging, components and carrier tapes.

Bayfol AS-A 2-4 960001 is available in various standard thicknesses from 0.008” to 0.012” (200 microns to 300 microns). Other thicknesses are available on request. The surface combination of Bayfol AS-A 2-4 960001 is one side very fine matte and one side fine matte for printability. As with any product, use of Bayfol AS-A 2-4 960001 in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

Typical Properties*

Property	Test Method	Unit	Value
General			
Specific Gravity	ASTM D 792		1.30
Conversion Factor		ft ² /lb·mil m ² /kg·mm	148 0.769
Gloss 60° top side	ASTM D 2457	gloss unit	--
Gloss 60° reverse side	ISO 2813	gloss unit	--
Roughness, R3z, top side	ISO 4287/88	µm	--
Roughness, R3z, reverse side	ISO 4287/88	µm	--
Surface			v.f.matte/f.matte
Mechanical			
Tensile Strength, Yield	ASTM D 882	psi	--
Tensile Strength, Break	ASTM D 882	psi	7,980
Elongation at Break	ASTM D 882	%	15
Thermal			
Coefficient of linear thermal expansion, parallel 20°C to 120°C	DIN 53752	10 ⁻⁶ /K	--
Coefficient of linear thermal expansion, across 20°C to 120°C	DIN 53752	10 ⁻⁶ /K	--
Shrinkage, parallel 90°C, 1h	IEC 60674-2	%	< 0.7
Shrinkage, across 90°C, 1h	IEC 60674-2	%	--
Heat Deflection Temperature			
1.82 MPa	ASTM D 648	°F	--
0.45 MPa	ASTM D 648	°F	--
Vicat Softening Temperature, Rate A	ASTM D 1525	°F	--
Electrical			
Surface Resistivity	ASTM D 257	ohm	≤ 10 ⁶
Other			
Water Absorption (saturation)	ISO 62	%	--
Water Absorption (immersion at 73°F/24h)	ASTM D 570	%	--

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

Health And Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling Bayfol AS-A 2-4 960001. Before working with these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult your local Bayer MaterialScience representative or contact Bayer's Product Safety and Regulatory Affairs Department in Pittsburgh, PA.

Note: The information contained in this bulletin is current as of December 2011, please contact Bayer MaterialScience to determine whether this publication has been revised.

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