

# Bayfol<sup>®</sup> CR 210 000000

## Characterization

Bayfol CR 210 000000 is an extrusion film based on Makrolon<sup>®</sup> (PC) from Bayer MaterialScience and a copolyester.

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## Properties / Applications

Bayfol CR 210 000000 has excellent cold formability and outstanding color stability at high temperatures. Bayfol CR 210 000000 has been developed for graphic applications, with emphasis on color stability at elevated temperatures. This can be used for both High-Pressure-Forming (HPF) and In-Mold-Decoration (IMD) processes as well. Typical applications are automotive panels and dials.

Bayfol CR 210 000000 is available in various standard thicknesses from 0.005" to 0.020" (125 microns to 500 microns). Other thicknesses are available on request. Current surface combinations of Bayfol CR 210 000000 are: gloss/gloss (1-1) and gloss/fine matte (1-4). As with any product, use of Bayfol CR 210 000000 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>			
Density	ISO 1183 20°C, Method C	g/cm <sup>3</sup>	1.2
Gloss	ISO 2813, 60° backprinted black	Digits	
1-surface (1-1, 1-2)			≥ 90
4-surface (1-4)			< 9
Roughness, R3z	Similar to ISO 4288, Lm 12.5 mm; lc 2.5 mm	µm	
1-surface (1-1, 1-2)			≤ 0.5
4-surface (1-4)			3 - 11
<b>Mechanical</b>			
Stress at break	ISO 527-1,-3	MPa	≥ 50
Strain at break	ISO 527-1,-3	%	≥ 100
Tensile modulus	ISO 527-1,-3	MPa	≥ 2,100

\*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 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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Note: This is a developmental product that is furnished for research and development purposes only. The information contained herein is merely preliminary data because testing as to properties is not final. Further information including data that could change or add hazards associated with use, may be developed. Such information may be needed to evaluate and/or use this product properly. The purchaser/user agrees that: use is undertaken at the purchaser's/user's sole risk, that the material is furnished "as is, with all faults," without any warranty or guarantee; and that Bayer Covestro LLC shall not be liable for any damages, of whatever nature, arising out of the purchaser's/user's receipt and/or use of the material. Commercialization and continued supply are not assured. The purchaser/user agrees that Bayer Covestro LLC reserves the right to discontinue supply at any time.

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

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Product Datasheet