

# Makrofol® HS337 G-1 020010

## Description and Application Information

Makrofol HS337 G-1 020010 is a high transparency extruded PC film, with a scratch resistant coating on one side.

Distinguish features are high transparency, high mechanical and thermal durability, with good scratch resistance. The film can be printed on the uncoated side.

The surface structure of Makrofol HS337 G-1 020010 is one side gloss coated and one side gloss. The product is protected with a PE masking film on both sides.

Makrofol HS337 G-1 020010 is available in the standard thicknesses of 180, 255 and 380 microns.

Typical applications are displays, appliances, switch panels and graphics.

## Preliminary guide data

General properties			
Property	Value	Unit of measurement	Method
Density	1,2	g/cm <sup>3</sup>	ISO 1183, 20°C method C
Thickness	180, 255, 380	microns	ISO 4593
Mechanical properties			
Property	Value	Unit of measurement	Method
Tensile Modulus	≥ 2100	MPa	ISO 527-1,-3
Tensile strength	≥ 60	MPa	ISO 527-1,-3
Elongation at break	≥ 5	%	ISO 527-1,-3
Other properties			
Property	Value	Unit of measurement	Method
Pencil hardness	HB		ASTM D 3363
Cross cut	≤ 1		DIN EN ISO 2409
Optical properties			
Property	Value	Unit of measurement	Method
Transmittance	≥ 90	%	Haze-gard plus, ASTM D 1003
Haze	< 1	%	Haze-gard plus, ASTM D 1003
Gloss, 60° coated side on white copy paper	≥ 100	digits	





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## Burning behavior

Property	Value	Unit of measurement	Method
Burning rate (UL)	≤ 100	mm/min	US-FMVSS 302

## Storage conditions

Storage in the original, sealed Covestro packaging

Recommended storage temperature: -20 till max. +25 °C

Protect from dust, compressive load, light and moisture

## Storage time

6 months ex delivery (in original, sealed Covestro packaging)

## Labeling and REACH applications

**This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet.**

Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.

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(1) Please see the "Guidance on Use of Covestro Products in a Medical Application" document.

(2) As defined in Commission Regulation (EU) 1935/2004.

This is a trial product. Further information, including amended or supplementary data on hazards associated with its use, may be compiled in the future. For this reason no assurances are given as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at his own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damage, of whatever nature, arising out of such use. Commercialisation and continued supply of this material are not assured. Its supply may be discontinued at any time.

Editor: CAS Specialty Films  
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Edition 2020-01-21

Replaces edition dated 2019-06-04

Distributed by:



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Preliminary Product Datasheet