



## ONGROFOL® GM Graphic HIGH OPACITY

Ongropack Ltd. is offering white rigid PVC films with matt/matt surface structure under the brand name „Ongrofol® GM Graphic“.

The film can be printed by using various printing methods such as digital, UV, offset printing, etc. Customer demand requires a well-printable surface, therefore we developed our „Ongrofol® GM Graphic“ product. The excellent matt surface structure results high quality printing.

We recommend this special product for the production of calendars, greeting cards, posters, various decoration elements and promotional products including double side printing.

The product is available in 1000 x 1400 mm and 700 x 1000 mm board sizes or in roll design up to 1600 mm width. Other special customer needs and special sizes has to be agreed.

### ADVANTAGES:

- super matt finish
- easily printable surfaces
- wide range of sizes
- good resistance against different chemicals

Type	Ongrofol GM - 150 / 929		
Characteristics	White coloured, matt/matt surface rigid film for printing application		
Surface finish	<b>glossy</b>	<b>embossed</b>	<b>matt/matt</b>
Thickness range ( µm )	na	na	150-700
Colour	white / code 929		

Properties	Test Method	Value	Unit
Thickness		150-700	µm
Thickness tolerance	OPV - 002	± 5	%
Width		max. 1600	mm
Width tolerance	OPV - 002	± 1	mm
Density	MSZ EN ISO 1183-1 : 2013 A	~ 1,47	g / cm <sup>3</sup>
Vicat softening temperature	DIN EN ISO 306	~ 76	°C
Surface tension	DIN 53364 ISO 8296	~ 34	dyne
Surface roughness	DIN 4768	~ 0,85*	µm
Max. shrinkage	DIN 53377 140° / 1 min	<b>150-200 µ</b> L: max. -12 C: max. +3 <b>201-500 µ</b> L: max. -8 C: max. +2 <b>501-700 µ</b> L: max. -7 C: max. +2	mm
Tensile strength	MSZ EN ISO 527-1-2-3	min. 40	MPa
Tensile Impact strength	MSZ EN ISO 8256 : 2004 A	~ 250	KJ / mm <sup>2</sup>
Elongation at break	MSZ EN ISO 527-1-2-3	≤ 400 µm - 40 % > 400 µm - 20 %	%
Printability	UV, digital, flexo, screen printing (including double side printing)		
Weldability	high frequency / ultrasonic		
Glueability	with PVC adhesive		

\* informative data

Forms of supply	Rolls	Sheet
Width	max. 1.600 mm	1400 / 1000 mm**
Length	on request	1000 / 700 mm**
Cutting tolerance	on width ± 1 mm	on width ± 1 mm on length ± 1 mm

\*\* other sizes to be agreed

All information is given in good faith but without warranty.  
The foil should be stored in clean and dry storerooms protected against direct sunlight, rain and dust.  
Recommended storage conditions: Humidity: max. 60%, Temperature: 15 °C – 25 °C.  
If the storage temperature is under 15 °C, rigid film has to be tempered at 20 °C for a period of 48 hours.