



**makrolon®**

## Makrolon® GP One brand, many properties

### What exactly is Makrolon® GP?

Makrolon® GP is the standard grade of the Makrolon® polycarbonate solid sheet range. The range comprises numerous variants to meet diverse requirements, such as Makrolon® UV, Makrolon® UV patterned or Makrolon® AR.

### What benefits does Makrolon® GP offer?

#### Makrolon® GP sheets are:

- extremely break-resistant. Their impact resistance that is 250 times higher than glass provides perfect protection for people and objects.
- resistant to extreme temperatures, and can be used under the most demanding conditions (from -100°C to +120°C).
- highly transparent. In combination with the smooth surface, this makes them an attractive material for a wide variety of applications.
- flame-retarded, and therefore in some cases Class 1 surface spread of flame according to BS476 part 7.

### Where is Makrolon® GP employed?

Makrolon® GP and grades Makrolon® UV, Makrolon® AR, Makrolon® UV patterned and Makrolon® NR are used for industrial applications (e.g. for machine guards, lighting covers, protective panels, signage, bicycle helmets) and for building projects (roofing, light domes, continuous rooflights, bus stops, public buildings, noise barriers etc.).

### What special properties do the different grades offer?

#### Makrolon® UV:

- is characterized by high weather resistance and superior durability. Makrolon® UV sheets therefore come with a 10-year guarantee on weather resistance and transparency.

#### Makrolon® AR:

- has a surface that is resistant to abrasion and chemicals. Optimized UV stability, reduced haze and yellowing, and comparable hardness to that of glass. All in all the ideal material for industrial applications.

#### Makrolon® NR:

- surface with an antireflective effect.

#### Makrolon® UV patterned:

- are clear transparent polycarbonate sheets with UV protection on both sides, and a patterned surface (RH/P/GX).



\*applies to all grades and versions of Makrolon® UV.

# Makrolon® GP

## The entire range at a glance

Name	Grade	Colours	Versions	Thickness in mm
Makrolon® GP	099	clear transparent	standard grade	0.75–15
	130 150	white translucent		
	775	umbra transparent		
Makrolon® UV	2099	clear transparent	UV-protected 10-year guarantee	2–15
	2130 2150	white translucent		
	2850	bronze transparent		
	2760	grey transparent		
Makrolon® AR	8099	clear transparent	abrasion-resistant UV-protected	1.5–15
	8850	bronze transparent		1.5–12
	7099	clear transparent	One side abrasion-resistant UV-protected	1.5–15
Makrolon® NR	099	clear transparent	antireflective	1–5
Makrolon® UV patterned	2099 RH/P/GX	clear transparent	UV-protected	3–6

You can receive further information on Makrolon® GP or other Bayer Sheet Europe products from:



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