



MAKROTECH™ UV

Arla Plast MAKROTECH™ UV is a range of opaque coloured polycarbonate sheets. The product is virtually unbreakable with extremely high impact resistance. The product offers high temperature performance too.

MAKROTECH™ UV is one side UV-protected sheet which allows possibilities for outdoor applications.

ALSO AVAILABLE:

- Two side UV protection
- With stripe applied for identification in packaging industry
- MAKROTECH™ CC for metallic colours
- MAKROTECH™ ECC for extra depth in metallic colours

RECYCLING

Our total recycling concept (TRC), is a major advantage in today's environmentally friendly market. The TRC concept covers all types of sheets to provide you with cost saving. Off-cuts from the sheets can be used in production of new sheets by co-extruding virgin material as the top layer. Care is taken that all quality requirements are met.

MAKROTECH™ UV BENEFITS:

- UV protected topside
- Unique metallic colours
- High impact strength
- Wide temperature range

APPLICATION AREAS:

Outdoor flat, curved and formed parts for applications in automotive, agricultural, covers and containers, wall cladding, signage.

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 1450 mm

Thickness range: 2 – 8 mm

Colours: 14 standard colours and customer specific colours upon request

Embossing: 00/00, 00/35, 00/40

MAKROTECH™ UV TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
Mechanical properties			
Izod Impact, unnotched 4 mm -30 °C	10	kJ/m ²	ISO 180/1U
Tensile elongation at yield (at break)		%	ISO 527
Flexural modulus	>90	MPa	ISO 178
Elastic modulus	2300	MPa	ISO 527
Flexural modulus	2300	MPa	ISO 178
Izod notched impact strength +23 °C	65	KJ/m ²	ISO 180
Rockwell hardness	M70	R-scale	ISO 2039-2
Tensile strength at yield (at break)	60	MPa	ISO 527
Izod impact strength unnotched at +23 °C	NB		ISO 180/1U
Physical properties			
Density	1,20	g/cm ³	ISO 1183
Thermal properties			
Coefficient of linear thermal expansion (23-80 °C)	0,70	10 ⁻⁴ x K ⁻¹	ISO 2039-2
Vicat softening temperature B120	149	°C	ASTM D 2220
Heat deflection temperature	132	°C	DIN 53516
Fire properties			
Flammability 1,6 mm	HB		UL 94

Properties reported here are typical values. Arla Plast makes no representation that the material in any particular shipment will conform exactly to the values given. The above information is based upon experience and given in good faith. Due to many factors which are outside our knowledge and control, no warranty is given or is to be implied with respect to such information. Detailed product specification and technical manual/information is available on request.