



# MAKROTECH™ MATT

MAKROTECH™ MATT is coloured opaque polycarbonate sheet. The product is produced with vast knowledge of our production team experienced in producing mono, co and tri-extrusion. The product is virtually unbreakable with extremely high impact resistance. The product offers high temperature performance.

MAKROTECH™ MATT provides designers, specifiers and architects with possibilities to use opaque polycarbonate sheets in applications where matt surface adds value and also provides the classy look.

## 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™ MATT BENEFITS:

- High impact strength
- Usable over a wide temperature range
- Easy to thermoform

## APPLICATION AREAS:

Outdoor for automotive, signage, advertising, street furniture, building and construction, safety and security, point of sale/purchase, cladding and decoration, protection etc.

## DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 1450 mm

Thickness range: 1,5 – 6 mm

Colours: black or others up on request

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

## MAKROTECH™ MATT TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
<b>Mechanical properties</b>			
Tensile elongation at at break	>50	%	ISO 527
Tensile elongation at yield (at break)	6	%	ISO 527
Flexural strength	90	MPa	ISO 178
Flexural modulus	2300	MPa	ISO 178
Izod impact, notched +23 °C	60	kJ/m <sup>2</sup>	ISO 180
Elastic modulus	2300	MPa	ISO 527
Tensile strength at yield (at break)	60	MPa	ISO 527
Izod impact, unnotched 3 mm -30 °C d)	10	kJ/m <sup>2</sup>	ISO 180/1U
<b>Physical properties</b>			
Density	1,20	g/cm <sup>3</sup>	ISO 1183
<b>Thermal properties</b>			
Heat deflection temperature, HDT B (0,45 N/mm <sup>2</sup> )	132	°C	ISO 75
Vicat softening temperature B120	149	°C	ASTM D 2220
<b>Fire properties</b>			
Flammability 1,6 mm	HB	Class	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.