



# MAKROTECH™ FA

Arla Plast MAKROTECH™ FA 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™ FA complies with food contact regulations.

## MAKROTECH™ FA BENEFITS:

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- Food compliant sheet
- High impact strength
- Wide temperature range

## APPLICATION AREAS:

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The product is used in applications where food compliance is required coupled with high temperature performance.

Some applications include covers, containers, cladding, agricultural equipment including flat curved and formed parts.

## DELIVERY PROGRAM:

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Standard size: 1250 x 2050 mm

Max width: 1450 mm

Thickness range: 1,5 – 8 mm

Colours: contact sales representative

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

## MAKROTECH™ FA TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
<b>Mechanical properties</b>			
Izod Impact, unnotched 4 mm -30 °C	10	kJ/m <sup>2</sup>	ISO 180/1U
Tensile elongation at yield (at break)	6 (110)	%	ISO 527
Elastic modulus	2300	MPa	ISO 527
Flexural modulus	2300	MPa	ISO 178
Izod notched impact strength +23 °C	60		
Izod notched impact strength -30 °C	10		
Rockwell hardness	M70	R-scale	ISO 2039-2
Tensile strength at yield (at break)	63(70)	MPa	ISO 527
Izod impact strength unnotched at +23 °C	NB		ISO 180/1U
<b>Physical properties</b>			
Density	1,20	g/cm <sup>3</sup>	ISO 1183
<b>Thermal properties</b>			
Coefficient of linear thermal expansion (23-80 °C)	0,7	10 <sup>-4</sup> x K <sup>-1</sup>	ISO 2039-2
Vicat softening temperature B120	145	°C	ASTM D 2220
Heat deflection temperature	127	°C	DIN 53516
<b>Fire properties</b>			
Flammability 1,14 mm	HB	Class	UL 94
USA (FDA)	Complies		

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.