



# GRIPHTECH®

GRIPHTECH® is an opaque coloured copolyester sheet which combines extremely good fabrication and thermoforming properties with good impact strength. The product has good fire performance, self-extinguishable and also low smoke generation (during a fire).

#### ALSO AVAILABLE IN:

- UV protected optional
- Frost surface optional
- Recycled in black optional
- Food compliant version

#### GRIPHTECH® BENEFITS:

- No predrying needed before thermoforming
- Easy to achieve high definitions with sophisticated shapes at thermoforming
- Fast cycle times in thermoforming
- Good fire properties
- Good chemical resistance

#### APPLICATION AREAS:

Indoor and outdoor, shelving and racking systems, food displays/bin/dividers, thermoformed covers, vending machine faces, medical equipment (packaging etc), industrial equipment (machine coverings, machine protections and many different kinds of technical parts).

#### DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 2050 mm

Thickness range: 1,5 – 8 mm

Colours: Standard colours, customer specific colours upon request

Embossing: 00/00

## GRIPHTECH® TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
<b>Mechanical properties</b>			
Elongation at yield (at break)	4,7 (40)	%	ISO 527
Elastic modulus	2200	%	ISO 527
Tensile strength at yield (at break)	53 (26)	MPa	ISO 527
Izod impact, unnotched 3 mm +23 °C d)	NB*	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, unnotched 3 mm -30 °C d)	NB*	kJ/m <sup>2</sup>	ISO 180/1U
<b>Physical properties</b>			
Density	1,27	g/cm <sup>3</sup>	ISO 1183
<b>Thermal properties</b>			
HDT A 1,80 Mpa	68	°C	ISO 75
Vicat B 5 kg	78	°C	ISO 306
Coefficient of linear thermal expansion	51x10 <sup>-6</sup>	1/K	ISO 11359-2
<b>Electrical properties</b>			
Volume resistivity, dry	10 <sup>16</sup>	? x cm	IEC 60093
Surface resistivity, dry	10 <sup>15</sup>	?	IEC 60093
Dielectric constant, dry 1 MHz	2,4		IEC 60250
<b>Fire and smoke performance</b>			
Flammability 4 mm	Class V2 <sup>C</sup> **		UL 94
Flammability 3 mm (UL listed raw material)	Class V2 <sup>C</sup> **		UL 94
* = Internal test			
** = Indicative testing only (UI file available for resin used)			

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.