



# BARLO® HIPS

Product Information





# BARLO HIPS ...

BARLO HIPS is the perfect material for many applications, guaranteeing trouble-free processing, enhanced impact resistance as well as enormous cost-efficiency.

It is the preferred material for vacuum formers and screen printers who need to turn out high quality work on a limited budget.

BARLO HIPS is perfect for demanding applications such as refrigerator liners, where a clean, bright appearance and food contact approval are paramount.

Point of sale producers will also like the standard range of colours and the "easy print" surface properties.

Whatever you are looking for: matt, glossy, patterned or coloured finishes... Quinn Plastics has it for you.



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## PRODUCT DESCRIPTION

BARLO HIPS is a rubber modified polystyrene sheet that has improved impact strength and is easy to mould and cut to size.

The product is available with either a matt finish on both sides or a matt finish on one side, and glossy surface on the other. The standard colour is white, but a range of other colours is available, in addition to colour matching to order. We can also deliver sheet for special applications.

These include, but are not limited to:

- UV treatment: improved colour stability and impact resistance
- Environmental Stress Cracking Resistance (ESCR)
- Freon resistant grades for the refrigeration industry
- Surface treatment to provide anti-bacterial properties
- Corona treatment: process to increase surface tension.

The result after corona treatment is a surface that is unchanged to the naked eye, but in fact is much more receptive to inks, coatings, and adhesives.

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## CHARACTERISTICS

- Superior surface quality
- Excellent low temperature impact performance
- Suitable for thermoforming
- Smooth surface with a choice of finish, matt or glossy
- Excellent for printing
- Excellent electrical insulation properties
- Food contact approved
- Meets Fire safety standard - UL standard 94HB

# when cost effectiveness meets versatility

## APPLICATIONS

- Refrigerator liners
- Sanitary ware
- Bath panels
- Shower wall panels
- Vacuum formed parts
- Screen Printing substrate
- Point of sale display units
- Mobile home and caravan fittings

## TECHNICAL DATA

Properties	Method	Unit	BARLO HIPS Glossy/Matt	BARLO HIPS Matt/Matt
<b>GENERAL</b>				
Density	ISO 1183	g/cm <sup>3</sup>	1.05	1.05
Burning resistance	UL standard 94		94 HB	94 HB
<b>IMPACT RESISTANCE</b>				
Charpy notched glossy side impacted	ISO 179-1/1fA	kJ/m <sup>2</sup>	9	-
Charpy notched matt side impacted	ISO 179-1/1fA	kJ/m <sup>2</sup>	6	10

Note: all mentioned data is based on extruded sheets in a thickness of 4 mm

## PRODUCT RANGE

- Both matt/matt and matt/gloss sheets are available
- BARLO HIPS is available with textured surface and a range of colours subject to minimum ordering quantities.  
Patterns: Smart and Pinseal  
Colours: White, Opal white, Yellow, Red, Green, Blue, Grey, Black, Silver  
Sanitary colours: Sanitary White, Star White, Pergamon, Manhattan
- The standard range of thickness is from 1.5 to 4mm, with 5 and 6 mm thick sheet available to special order
- Standard sheet dimensions are 3m x 2m, 2m x 1.5m and 2m x 1m, with cut to size and "make to order" available subject to minimum order quantities





## YOUR POINT OF CONTACT

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[www.quinn-plastics.com](http://www.quinn-plastics.com)

Quinn Plastics is the producer of a range of thermoplastic sheets, marketed under the BARLO product name.

Quinn Plastics offers a wide range of plastic sheets which give the widest choice to the industry as far as gauge, size, pattern, colour, coating and opacity are concerned.

