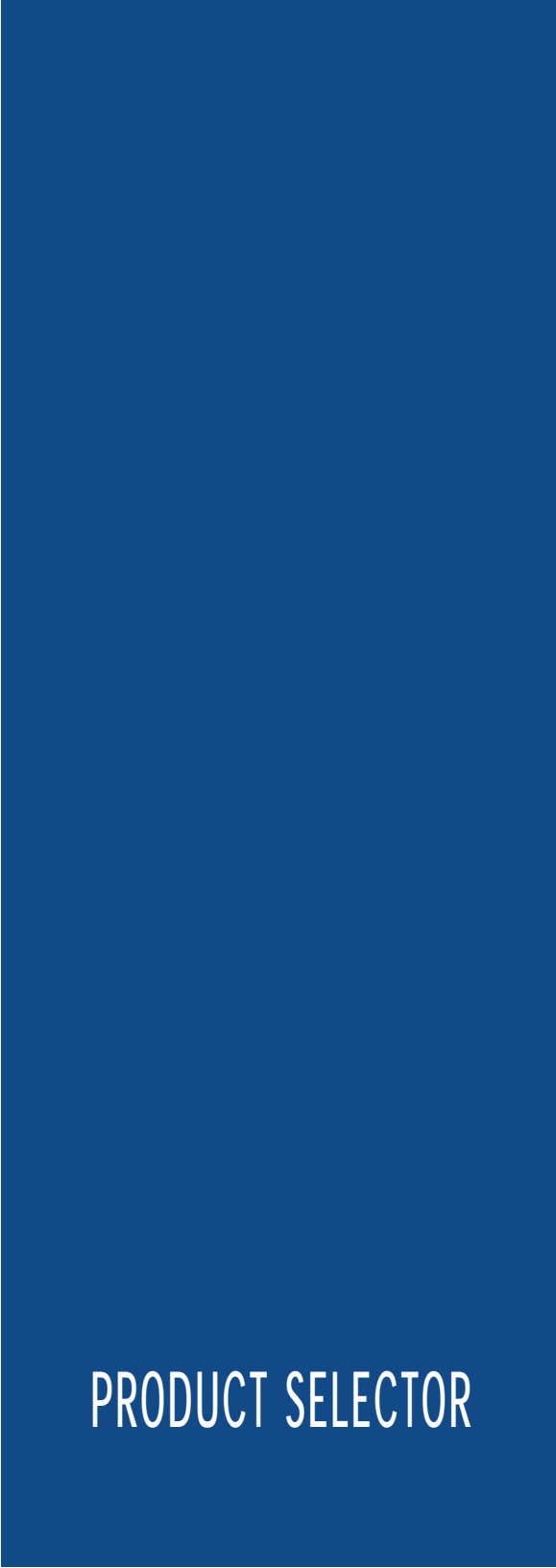
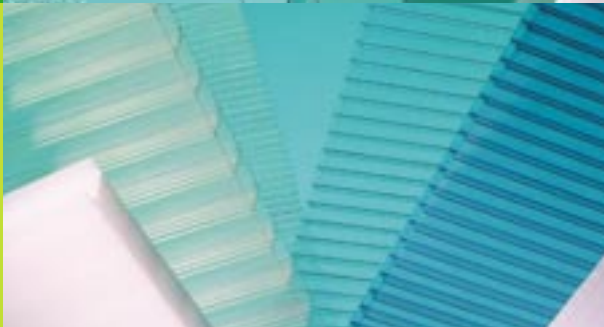




barlo plastics



PRODUCT SELECTOR

## BARLO PLASTICS PRODUCT SELECTOR

### AN EXTENSIVE PRODUCT RANGE

Barlo Plastics has built up a tremendous expertise in the production of plastic sheet. This has resulted in an extensive range of products for many different applications.

The enclosed tables in this product overview will show you our present product offering. According to demand, Barlo Plastics can react with great flexibility to specific customer needs, due to fully interchangeable tools, a highly qualified fabrication department and R&D facilities.

Co-extrusion, laminating, cutting, folding and curving together with a total package of specialized advice, are all part of the Barlo Plastics customer service in order to develop 'customized' plastic products.

In this way, Barlo Plastics can be your multiproduct solution provider, where specified market and customer needs can be met.

BARLO PC (polycarbonate)

COLOUR		FEATURES	LT	SIZE in mm	SHEETS PER PALLET											
					Thickness in mm											
					1	1,5	2	2,5	3	4	5	6	8	10	12	15
<b>■ BARLO PC</b>																
				3050 x 2050		80	60		40	30	25	20	15	10	10	8
				2050 x 1250	150	200	150		100	70	60	50	40	30	•	•
	White 846	Opal	37%	3050 x 2050		•	60		40	30	25	•	•	•	•	•
				2050 x 1250		•	150		100	•	•	•	•	•	•	•
	White 824	Opal	80%	3050 x 2050		•	60		40	•	•	•	•	•	•	•
	White 850	Opal	50%	3050 x 2050		•	60		40	•	•	•	•	•	•	•
	White 866	Opal	30%	3050 x 2050		•	60		40	•	•	•	•	•	•	•
	Black 804	Opaque		3050 x 2050		•	•		•	•	•	•	•	•	•	•
	Blue 857		31%	3050 x 2050		•	•		•	•	•	•	•	•	•	•
	Brown 851		51%	3050 x 2050		•	•		40	30	25	20	15	•	•	•
	Grey 801		61%	3050 x 2050		•	•		•	•	•	•	•	•	•	•
	Grey 835	Opaque		3050 x 2050		•	•		•	•	•	•	•	•	•	•
<b>■ BARLO PC UVP</b>																
				3050 x 2050		•	60		40	30	25	20	15	10	•	•
				2050 x 1250	150	200	150		100	70	60	50	•	•	•	•
	White 824	UVP Opal	80%	3050 x 2050		•	•		40	30	•	•	•	•	•	•
	White 846	UVP Opal	37%	3050 x 2050		•	•		40	30	25	•	•	•	•	•
	White 850	UVP Opal	50%	3050 x 2050		•	•		40	30	25	•	•	•	•	•
	White 866	UVP Opal	30%	3050 x 2050		•	•		40	30	•	•	•	•	•	•
	Brown 851	UVP	51%	3050 x 2050		•	•		40	30	25	20	15	•	•	•
<b>■ BARLO PC SCRATCH RESISTANT</b>																
		double sided		3000 x 2000			60		40	30	25	20	15	10	•	•
		single sided		2940 x 2000		•			•	•	•	•	•	•	•	•
<b>■ BARLO PC PATTERNS</b>																
		Crystal		3050 x 2050					40	30	25	20				
	Brown 851	Crystal		3050 x 2050					•	•	•	20				
		Prismatic		2050 x 1250					40	30	25	20				
		Haircell		2050 x 1250				50	40	30	25	20				
		Impala		2050 x 1250					40	30	25	20				

• = Specials available in our product offer, but **subject to special conditions**.

**BARLO PC special conditions**

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- price surcharge

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only  
 LT = Light transmission figures apply to all thicknesses for Brown 851

BARLO SAN											
COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET							
				Thickness in mm							
				1,5	2	2,5	3	4	5	6	
■ <b>BARLO SAN</b>	Clear		Non UVP	3050 x 2050				•	•	•	•
				3050 x 2030		•	•				
				3050 x 2000	•						
				2050 x 1220			•	•	•	•	
■ <b>BARLO SAN UVP</b>	Clear		UVP	3050 x 2050				40	30	25	20
				3050 x 2030		60	50	•	•	•	•
				3050 x 2000	75	•	•	•	•	•	•
				2050 x 1220			•	•	•	•	
	Opal	UVP	35%	3050 x 2050				40	30		
			3050 x 2030		60		•	•			

• = Specials available in our product offer, but **subject to special conditions**.

**BARLO SAN special colours (subject to special conditions)**

Black  
Blue Opaque  
Green Opaque  
Grey Opaque  
Red Opaque  
White Opaque

**BARLO SAN special patterns (subject to special conditions)**

Antik	Confetti	Gotas	Pearls	Splash
Aqua	Corc	Impala	Quadrolina	Water
Atlantis	Dublin	Lissabon	Santro	Yvon
Birds	Erica	Manta	Sierra	
Bubbles	Future Q	Opera	Slant	

**BARLO SAN special conditions**

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- price surcharge

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

SPECTAR SHEET																
COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET												
<b>■ SPECTAR Sheet</b>																
Clear	Non UVP		3050 x 2050	<b>Thickness in mm</b>												
				0,8	1	1,5	2	2,5	3	4	5	6	8	10	12	15
							60	40	30	25	20	15	12	•	•	
			2050 x 1250	200	140	100	100		75	50	40	30	•	•	•	•
			2500 x 1250	140	100	100		75	50	40						
Clear	Anti-reflex		2050 x 1250	140	100											
Haircell			2050 x 1250				•	•	•	•	•					
Impala			2050 x 1250					•	•	•	•					
<b>■ SPECTAR UVP Sheet</b>																
Clear	UVP		3050 x 2050	<b>Thickness in mm</b>												
				0,8	1	1,5	2	2,5	3	4	5	6	8	10	12	15
								40	30	25	20	15	12			
Opal	UVP	35%	3050 x 2050					40	30							
Haircell			2050 x 1250				•	•	•	•	•					
Impala			2050 x 1250					•	•	•	•					

- = Specials available in our product offer, but **subject to special conditions**.

**SPECTAR Sheet special colours (subject to special conditions)**

Black	Gray	Fluor green
White	Bronze	Transparent blue
Green	Yellow	
Red	Fluor blue	
Blue	Fluor red	

**SPECTAR SHEET special conditions**

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- price surcharge

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

BARLO XT

COLOUR		FEATURES	LT	SIZE in mm	SHEETS PER PALLET																
					Thickness in mm																
					1,5	2	2,5	3	4	5	6	8	10	12	15	20	25				
■ BARLO XT	Clear			3050 x 2050		60	50	40	30	25	20	15	10	10	8	6	5				
				3050 x 2000	80																
				2050 x 1250		150	•	100	70	60	50										
				2000 x 1250		•															
Clear	Anti-Reflex			3050 x 2050	60		40	30	•	•											
White 024	Opal	82%		3050 x 2050	60	•	40	30													
				2050 x 1250			•	•													
White 034	Opal	49%		3050 x 2050	60		40	30													
				2050 x 1250			•	•													
White 050	Opal	37%		3050 x 2050	60		40	30													
				2050 x 1250			•	•													
White 055	Opal	35%		3050 x 2050	60		40	30	25												
White 066	Opal	30%		3050 x 2050	60		40	30	25	20											
				2050 x 1250			•	•	•	•											
White 003	Opaque	7%		3050 x 2050	•		40	30	25	•	•	•									
Black 905	Opaque	7%																			
				3050 x 2050				40	30	25	20	•	•								
				Brown 145	41%	3050 x 2050	•	•	40												
				Brown 146		3050 x 2050				30											
				Brown 147		3050 x 2050					25										
				Brown 148		3050 x 2050						20									
				Brown 149		3050 x 2050							15								
				Brown 150		3050 x 2050								10							
				Silicate green 102		90%	3050 x 2050	•													
				Silicate green 103	3050 x 2050				40												
				Silicate green 104	3050 x 2050					30											
				Silicate green 105	3050 x 2050						25										
				Silicate green 106	3050 x 2050							20									
				Silicate green 108	3050 x 2050								15								
Silicate green 110	3050 x 2050									10											
Silicate green 112	3050 x 2050										•										
Silicate green 115	3050 x 2050											•									
Silicate green 120	3050 x 2050												•								

• = Specials available in our product offer, but **subject to special conditions**.

**BARLO XT special conditions**

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- price surcharge

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

BARLO XT															
COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET											
				Thickness in mm											
				1,5	2	2,5	3	4	5	6	8	10	12	15	20
<b>■ BARLO XT High Impact</b>															
Clear	XT 610		3050 x 2050	60			40	30	25	20					
Clear	XT 620		3050 x 2050	60			40	30	•	•					
Clear	XT 630		3050 x 2050	60			40	30	•	•					
White 066	XT 630 Opal	30%	3050 x 2050	60			40	30	•	•					
<b>■ BARLO XT UV Transmitted</b>															
Clear	UVT		3050 x 2050	60			40	30	•	•	•	•			
			3050 x 2020												
<b>■ BARLO XT Soft Tone</b>															
Clear		88%	3050 x 2050	60			40	30	25	20					

- = Specials available in our product offer, but **subject to special conditions**.

#### BARLO XT special conditions

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- price surcharge

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

BARLO CAST																
COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET												
				Thickness in mm												
				2	2,5	3	4	5	6	8	10	12	15	20	25	
■ BARLO CAST	Clear	93 %	3050 x 2030	50	40	30	25	20								
			2030 x 1520	110	90	70	55	45								
			3000 x 2000						15	10	10	8	6	5		
			2000 x 1500						35	25	23	20	15	10		
			2000 x 1250	100	•	100	70	60	50	40	30	25	20	15	10	
			2650 x 2030	75	•	50	40	30	25	20	15	13	10			
			2020 x 1320	155	•	105	80	65	50	40	30	25	20			
			2020 x 1320	155	•	105	80	65	50	40	30	25	20			
Clear	Anti-reflex	91%	3050 x 2030	40	30											
			2030 x 1520	90	70											
■ BARLO CAST UV Transmitted	Clear	LSS	93%	3050 x 2030	2	2,5	3	4	5	6	8	10	12	15	20	25
							•	•			•					
■ BARLO CAST BLOCKS	Clear			2020 x 1320	30	35	40	45	50	60	70	80				
					•	•	•	•	•	•	•	•				

• = Specials available in our product offer, but **subject to special conditions**.

### BARLO CAST special conditions

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- special price conditions
- obligated purchase of off size 'dimensions'

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only



BARLO CAST

COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET												
				Thickness in mm												
				2	2,5	3	4	5	6	8	10	12	15	20	25	
<b>■ BARLO CAST OPAQUES</b>																
White	3014	Opaque	5%	3050 x 2030			40	30	25	20						
				2030x 1520			90	70	55	45						
				3000 x 2000							15	10				
				2000 x 1500							35	25				
Black	3925	Opaque	<1%	3050 x 2030			40	30	25	20						
				2030x 1520			90	70	55	45						
				3000 x 2000							15	10				
				2000 x 1500							35	25				
Blue	3830	Opaque	<1%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Brown	3420	Opaque	<1%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Grey	3924	Opaque	<1%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Red	3659	Opaque	<1%	3050 x 2030			40	30								
				2030 x 1520			90	70								
<b>■ BARLO CAST OPALS</b>																
Ice white	2000	Opal	71%	3050 x 2030			40	30	25	20						
				2030 x 1520			90	70	55	45						
White	4000	Opal	41%	3050 x 2030			40	30	25	20						
				2030 x 1520			90	70	55	45						
White	4005	Opal	37%	3050 x 2030			40	30	25	20						
				2030 x 1520			90	70	55	45						
White	4018	Opal	52%	3050 x 2030			40	30	25	20						
				2030 x 1520			90	70	55	45						
White	4029	Opal	30%	3050 x 2030			40	30	25	20						
				2030 x 1520			90	70	55	45						

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**BARLO CAST special conditions**

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- minimum order quantities
- production lead-times
- special price conditions
- obligated purchase of off size 'dimensions'

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

BARLO CAST

COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET													
				Thickness in mm													
				2	2,5	3	4	5	6	8	10	12	15	20	25		
<b>■ BARLO CAST TRANSPARENT</b>																	
Blue	1819	Transparent	22%	3050 x 2030			40	30									
				2030 x 1520			90	70									
Blue	1861	Transparent	51%	3050 x 2030			40	30	25	20							
				2030 x 1520			90	70	55	45							
				3000 x 2000								15	10				
				2000 x 1500								35	25				
Blue	1875	Transparent	72%	3050 x 2030			40	30	25	20							
				2030 x 1520			90	70	55	45							
				3000 x 2000								15	10				
				2000 x 1500								35	25				
Brown	1419	Transparent	62%	3050 x 2030			40	30									
				2030 x 1520			90	70									
				3000 x 2000								15	10				
				2000 x 1500								35	25				
Brown	1433	Transparent	57%	3050 x 2030			40	30	25	20							
				2030 x 1520			90	70	55	45							
				3000 x 2000								15	10				
				2000 x 1500								35	25				
Brown	1443	Transparent	14%	3050 x 2030			40	30									
				2030 x 1520			90	70									
Brown	1923	Transparent	26%	3050 x 2030			40	30	25	20							
				2030 x 1520			90	70	55	45							
				3000 x 2000								15	10				
				2000 x 1500								35	25				

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**BARLO CAST special conditions**

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- special price conditions
- obligated purchase of off size 'dimensions'

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

BARLO CAST

COLOUR		FEATURES	LT	SIZE in mm	SHEETS PER PALLET											
					Thickness in mm											
					2	2,5	3	4	5	6	8	10	12	15	20	25
<b>■ BARLO CAST TRANSPARENT</b>																
Green	1504	Transparent	28%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Green	1548	Transparent	71%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Grey	1917	Transparent	18%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Grey	1961	Transparent	43%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Grey	1981	Transparent	10%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Orange	1303	Transparent	40%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Red	1617	Transparent	19%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Umber	1105	Transparent	10%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Umber	1184	Transparent	63%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Umber	1968	Transparent	53%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Yellow	1201	Transparent	61%	3050 x 2030			40	30								
				2030 x 1520			90	70								

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- minimum order quantities
- production lead-times
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BARLO CAST

COLOUR		FEATURES	LT	SIZE in mm	SHEETS PER PALLET											
					Thickness in mm											
					2	2,5	3	4	5	6	8	10	12	15	20	25
<b>BARLO CAST TRANSLUCENTS</b>																
Blue	4814	Translucent	12%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Blue	4845	Translucent	11%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Blue	4860	Translucent	4%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Cream	4108	Translucent	17%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Cream	4117	Translucent	17%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Green	4500	Translucent	9%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Green	4503	Translucent	3%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Green	4517	Translucent	11%	3050 x 2030			40	30								
				2030 x 1520			90	70								
Ice blue	2819	Translucent	11%	3050 x 2030			40	30								
				2030 x 1520			90	70								

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**BARLO CAST special conditions**

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- special price conditions
- obligated purchase of off size 'dimensions'

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

BARLO CAST

COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET											
				Thickness in mm											
■ BARLO CAST TRANSLUCENTS				2	2,5	3	4	5	6	8	10	12	15	20	25
Mauve 4750	Translucent	9%	3050 x 2030			40	30								
			2030 x 1520			90	70								
Orange 4317	Translucent	17%	3050 x 2030			40	30								
			2030 x 1520			90	70								
Red 4606	Translucent	15%	3050 x 2030			40	30								
			2030 x 1520			90	70								
Red 4608	Translucent	14%	3050 x 2030			40	30								
			2030 x 1520			90	70								
Red 4624	Translucent	15%	3050 x 2030			40	30								
			2030 x 1520			90	70								
Red 4629	Translucent	10%	3050 x 2030			40	30								
			2030 x 1520			90	70								
Yellow 4201	Translucent	22%	3050 x 2030			40	30								
			2030 x 1520			90	70								
Yellow 4203	Translucent	21%	3050 x 2030			40	30								
			2030 x 1520			90	70								
Yellow 4218	Translucent	22%	3050 x 2030			40	30								
			2030 x 1520			90	70								

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**BARLO CAST special conditions**

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- special price conditions
- obligated purchase of off size 'dimensions'

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

BARLO CAST								
COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET				
<b>■ BARLO CAST DESIGN</b>								
Clear	Design	90%	3050 x 2030	<b>Thickness in mm</b>				
				<b>3</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>10</b>
				40	30	25		
				90	70	55		
Opal White 2000	Design	60%	3050 x 2030	40	30	25		
				90	70	55		
Blue 1875	Design	67%	3050 x 2030			25		
						55		
Glass look 1512	Design	86%	3050 x 2030			25		
						55		
			2030 x 1520			15	10	
						35	25	

- = Specials available in our product offer, but **subject to special conditions**.

#### BARLO CAST special conditions

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- special price conditions
- obligated purchase of off size 'dimensions'

**Please contact us for all your special requirements**

**LT** = Light transmission figures apply to **5 mm** sheet thickness only for Blue 1875 and Glass look 1512  
**LT** = Light transmission figures apply to **3 mm** sheet thickness only for Clear and Opal White 2000

BARLO PS																
COLOUR	FEATURES	LT	SIZE in mm	SHEETS PER PALLET												
				Thickness in mm												
				1	1,2	1,5	2	2,25	2,5	3	4	4,75	5	6		
■ BARLO PS	Clear		2150 x 1250	200	•	•										
				2000 x 1500			100	75	75	75	50	50	40	•	•	
				2000 x 1000				100	100	100	100	100	50	•	•	
				2500 x 1250	•	•	•									
Clear	Anti-reflex		2150 x 1250	150	•	125	100									
Opal		35%	3050 x 2000				75	•	60	50	•	•	•			

• = Specials available in our product offer, but **subject to special conditions.**

**Barlo PS – special patterns (subject to special conditions)**

Antik	Cirrus	Gotas	Pearls	Tonga
Aqua	Confetti	Hammered	Quadrolina	Water
Atlantis	Corc	Impala	Santro	Yvon
Birds	Dublin	Lissabon	Sierra	
Bottle	Erica	Manta	Slant	
Bubbles	Future Q	Opera	Splash	

**Barlo PS - prismatic sheets (subject to special conditions)**

H2R  
H2S  
K9  
K12

**BARLO PS special conditions**

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- price surcharge

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **3 mm** sheet thickness only

BARLO SPC													
COLOUR	LT	WIDTH in mm	LENGTH in mm	SHEETS PER PALLET									
				Thickness in mm									
				4	6	8	10	16	16D	20	25D	32D	35D
■ BARLO SPC Clear	84%	980	6000/7000	•	•	•	•	40	40	•	25	20	•
				•	•	•	60	40	•	•	•	•	•
				•	•	•	•	40	40	•	25	20	•
				70	70	50	50	30		30			
Opal 3B	66%	980	6000/7000	•	•	•	•	40	40	•	25	20	•
				•	•	•	•	40	40	•	25	20	•
				•	•	•	•	30		•			
Opal 6B	10%	2100	6000/7000	70	70	50	50	30		•			
Bronze	44%	980	6000/7000	•	•	•	•	40	40	•	25	20	•
				•	•	•	•	•	40	•	25	20	•
				•	70	50	50	30		•			
Blue Sapphire	25%	2100	6000/7000	•	70	•	50	30		•			
Solar Control Cool White	37%	980	6000/7000						•		•	•	•
									•		•	•	•
Solar Control Super Cool White	45%	980	6000/7000						40		25	20	•
									40		25	20	•
				4	6	8	10	16	16D	20	25D	32D	35D
Number of walls				2	2	2	2	3	Diamond	3	Diamond	Diamond	Diamond
U- value (W/m <sup>2</sup> .°C)				3.9	3.6	3.2	2.8	2.3	1.8	2.0	1.5	1.4	1.4
Weight in kg/m <sup>2</sup>				0.9	1.3	1.5	1.7	2.7	2.5	3.2	3.3	3.7	4.0

• = Specials available in our product offer, but **subject to special conditions.**

□ = 8 and 10mm thickness: sheets with 3 walls available on demand

#### Barlo SPC special colours (subject to special conditions)

Opal Classic  
Opal 4B  
Green Emerald  
Black

#### BARLO SPC special conditions

Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as :

- minimum order quantities
- production lead-times
- price surcharge

**Please contact us for all your special requirements**

LT = Light transmission figures apply to **10 mm** sheet thickness only (except solar control: 16 mm)



PHYSICAL PROPERTIES BARLO PLASTICS PRODUCTS						
PROPERTY	Test Method	Unit	BARLO PS	BARLO SAN	BARLO XT	BARLO CAST
<b>GENERAL</b>						
density	ISO 1183	g/cm <sup>3</sup>	1.05	1.08	1.19	<i>1.19</i>
rockwell hardness	ASTM D785	R-scale	76	>120		
		M-scale		84	92	<i>105</i>
<b>OPTICAL</b>						
light transmission	DIN 5036	%	90	88	92	<i>93</i>
refractive index	ISO 489		1.59	1.57	1.492	1.492
<b>MECHANICAL</b>						
flexural modulus	ISO 178	MPa	3200	3700	-	3000
flexural strength	ISO 178	MPa	100	120	120	125
tensile modulus	ISO 527	MPa	3100		3200	3300
tensile strength	ISO 527	MPa	50	70	70	75
elongation	ISO 527	%	3	3	4	6
<b>THERMAL</b>						
vicat temperature (B)	ISO 306	°C	>98	101	>100	110
HDT A/B	ISO R75	°C	86/98	98/101	97/101	105
specific heat capacity	ASTM D2766	J/gK	1.8	1.38	1.47	<i>1.47</i>
coeff. of linear expansion	DIN 53752	K <sup>-1</sup> x 10 <sup>-5</sup>	8	5	7	<i>7</i>
thermal conductivity	DIN 52612	W/mK	0.17	0.17	0.19	0.19
degradation temperature		°C	>280	>280	>280	>280
max service temperature		°C	80	90	70(L)-85(S)	80(L)-90(S)
<b>IMPACT STRENGTH</b>						
Izod notched	ISO 180	kJ/m <sup>2</sup>	2	1,3		
Charpy notched	ISO 179	kJ/m <sup>2</sup>			2	2
Charpy unnotched	ISO 179	kJ/m <sup>2</sup>	6	13	17	15
<b>ELECTRICAL</b>						
dielectric constant (100Hz)	DIN 53483		2.5		3.7	3.6
volume resistivity	DIN 53482	Ω.cm	10 <sup>16</sup>	10 <sup>16</sup>	10 <sup>15</sup>	10 <sup>15</sup>
surface resistivity	DIN 53482	Ω	10 <sup>14</sup>	10 <sup>15</sup>	10 <sup>14</sup>	10 <sup>14</sup>
dielectric strength	DIN 53481	kV/mm	20	18	30	30
dissipation factor (50Hz)	DIN 53483		9x10 <sup>-5</sup>	1x10 <sup>-4</sup>	0.06	0.06

- Values in *ITALIC* are results of another, but similar test method.
- N.B. = No Breakage
- \* Depending on sheet-thickness

Please contact us for all your special requirements

PHYSICAL PROPERTIES BARLO PLASTICS PRODUCTS						
PROPERTY	Test Method	Unit	BARLO XT 610	SPECTAR SHEET	BARLO PC	BARLO SPC
<b>GENERAL</b>						
density	ISO 1183	g/cm <sup>3</sup>	1.15	1.27	<i>1.2</i>	<i>1.2</i>
rockwell hardness	ASTM D785	R-scale		105		
		M-scale	40			
<b>OPTICAL</b>						
light transmission	DIN 5036	%	90	88	<i>86</i>	<i>84</i>
refractive index	ISO 489		1.492	1.57	<i>1.585</i>	
<b>MECHANICAL</b>						
flexural modulus	ISO 178	MPa		2075		2200
flexural strength	ISO 178	MPa	65	70	<i>&gt;95</i>	
tensile modulus	ISO 527	MPa	1850	2200	<i>2300</i>	
tensile strength	ISO 527	MPa	40	50	<i>60</i>	<i>60</i>
elongation	ISO 527	%	35	54	<i>80</i>	<i>95</i>
<b>THERMAL</b>						
vicat temperature (B)	ISO 306	°C	98	82	<i>145</i>	<i>145-148</i>
HDT A/B	ISO R75	°C	88	72/68	<i>135</i>	
specific heat capacity	ASTM D2766	J/gK	1.5	1.1	<i>1.17</i>	
coeff. of linear expansion	DIN 53752	K <sup>-1</sup> x 10 <sup>-5</sup>	9	6.8	<i>6.5</i>	<i>6.7</i>
thermal conductivity	DIN 52612	W/mK	0.18	0.2	0.2	3.9-1.4*
degradation temperature		°C	>280	>280	>280	
max service temperature		°C	65(L)-75(S)	70	115(L)-130(S)	140
<b>IMPACT STRENGTH</b>						
Izod notched	ISO 180	kJ/m <sup>2</sup>		11,5		
Charpy notched	ISO 179	kJ/m <sup>2</sup>	5.2	10	<i>&gt;40</i>	
Charpy unnotched	ISO 179	kJ/m <sup>2</sup>	55	NB	<i>NB</i>	
<b>ELECTRICAL</b>						
dielectric constant (100Hz)	DIN 53483			2.6	<i>3.0</i>	
volume resistivity	DIN 53482	Ω.cm	10 <sup>15</sup>	10 <sup>15</sup>	<i>10<sup>15</sup></i>	
surface resistivity	DIN 53482	Ω	10 <sup>14</sup>	10 <sup>16</sup>	<i>10<sup>14</sup></i>	
dielectric strength	DIN 53481	kV/mm	30	16	<i>&gt;30</i>	
dissipation factor (50Hz)	DIN 53483			0.01	<i>8x10<sup>-4</sup></i>	

- Values in *ITALIC* are results of another, but similar test method.
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- \* Depending on sheet-thickness

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