

FEATURES

- Solid laminated Polycarbonate (PC) plastic sheet
- Lightweight and hard-wearing
- Resistant to high temperatures, weather and impact
- Heat resistant
- Length of 1.3 m
- White/black/white in colour
- 78 HRE on the Rockwell Hardness scale
- CSE RF 2/75/A and RF 3/77 rating for fire safety
- Colour-fast

Black, White Plastic Sheet, 1300mm x 500mm x 1.5mm

RS Stock No.: 748-1305



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This sturdy polycarbonate (PC) sheet is fully engravable and can be used for a variety of signage, labelling and display purposes. It consists of three permanently bonded layers of coloured plastic in a white/black/white pattern.

The laminated plastic sheet is durable, with at least a 78 HRE rating on the Rockwell hardness scale, and can withstand scratches and abrasions. It's also heat resistant, so it won't warp or suffer damage from exposure to high temperatures, including immersion in water of up to +100°C. The sheet also repels static electricity and meets European fire safety standards.

General Specifications

Colour	Black, White
Material	PC
Laminated	No
Form	Full
Applications	Sign, Display, Engraving Industry

Electrical Specifications

Electrical Resistance	$1 \times 10_{10}\Omega$, $1 \times 10_{11}\Omega$ (Antistatic)
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Mechanical Specifications

Length	1300mm
Width	500mm
Thickness	1.5mm
Density	1.430g/m ³
Tensile Strength	$L > 100\text{N/mm}_2$, $T > 70\text{N/mm}_2$
Hardness	78 HRE on the Rockwell
Compression Strength	$> 200\text{N/mm}_2$

Operation Environment Specifications

Maximum Operating Temperature	+120°C
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Approvals

Compliance/Certifications	CSE RF 2/75/A and RF 3/77, RoHS Compliant
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<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength	-	L>100 T>70	N/mm ²	ISO 527	
Rockwell Hardness	-	≥78	HRE	ASTM D-785	
Compression resistance	-	>200	N/mm ²		
<i>Electrical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Electrical Resistance	-	1x10 ⁸ + 1x10 ¹¹ antistatic	Ω	NFPA 99	
<i>Other properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Abrasion Resistance	-	350	Revolutions	EN438-2.6	
Resistance to immersion in hot water	-	2 ≤ t < 5 ≤ 3 ; 5 ≤ t ≤ 25 ≤ 2	%	EN438-2.7	The EN438-2:1991 standard faithfully follows ISO 4586-2:1988 (amended)
Colour Fastness under light of a xenon arc lamp	-	≥6	Blue Wool Scale	EN438-2.16	
Resistance to cigarette burns	-	3	Grade (not less than)	EN438-2.18	
Fire Rating	-	2	Class	CSE RF 2/75/A RF 3/77 Approval No CN267B11CD200002	
Resistance to steam	-	4	Grade (not less than)	EN438-2.24	