

Datasheet

Black, White Polycarbonate (PC) Sheet

RS Stock number 748-1295



Chemical designation

-

Colour

Various

Density

1.430 ±30 kg/m³

Fillers

-

Main features

- Heat Resistant
- Range of Colours

Target industries

- Sign Industry
- Display Industry
- Engraving Industry

| <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 | The EN438-2:1991 standard faithfully follows ISO 4586-2:1988 (amended) |
| Resistance to immersion in hot water | - | 2≤t<5 ≤3 5≤t≤25 ≤2 | % | EN438-2.7 | |
| 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 | |