

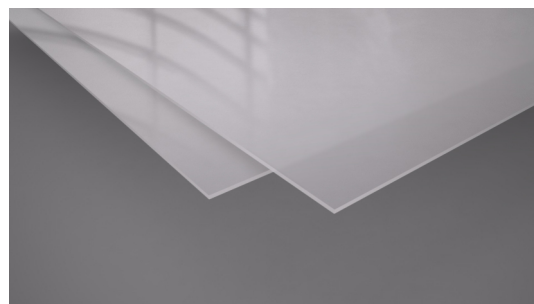
# Technical data

**PRODUCT:**

CLEARCUT

**NOTE:**

TECHNICAL DATA

**IMAGE:****LAST UPDATE:**

11/2025



CATEGORY

**ACP AND DEBOND SHEETS**

|                      | Property                            | Unit               | Value              |
|----------------------|-------------------------------------|--------------------|--------------------|
| <b>Mechanical</b>    |                                     |                    |                    |
|                      | Specific Gravity                    | /                  | 1.19-1.2           |
|                      | Rockwell Hardness                   | kJ/cm <sup>2</sup> | M-100              |
|                      | Shear Strength                      | kJ/cm <sup>2</sup> | 630                |
|                      | Flexural Strength                   | kJ/cm <sup>2</sup> | 1050               |
|                      | Tensile Strength                    | kJ/cm <sup>2</sup> | 760                |
|                      | Compressive Strength                | kJ/cm <sup>2</sup> | 1260               |
| <b>Electrical</b>    |                                     |                    |                    |
|                      | Dielectric Strength                 | kv/mm              | 20                 |
|                      | Surface resistivity                 | ohm                | >10 <sup>16</sup>  |
| <b>Optical</b>       |                                     |                    |                    |
|                      | Light Transmittance                 | %                  | 93                 |
|                      | Refractive Index                    | /                  |                    |
| <b>Thermal</b>       |                                     |                    |                    |
|                      | Specific Heat                       | Cal/gr.c           | 0,35               |
|                      | Coefficient of Thermal Conductivity | Cal/see/cm/°C/cm   | 140-180            |
|                      | Hot Foming Temp                     | °C                 |                    |
|                      | Hot Deformation Temp                | °C                 | 6x10 <sup>-5</sup> |
|                      | Thermal Expansion Coefficient       | cm/cm/°C           | 0,3                |
| <b>Miscellaneous</b> |                                     |                    |                    |
|                      | Water Absorption (24 Hrs)           | %                  | None               |
|                      | Taste                               |                    |                    |
|                      | Odor                                |                    |                    |

| Thickness Tolerance Of Cast Acrylic Sheet 2050 x 3050 mm |           |          |           |
|----------------------------------------------------------|-----------|----------|-----------|
| Thin                                                     | Tolerance | Thin     | Tolerance |
|                                                          |           | 13.0 m/m | ± 0.9     |
|                                                          |           | 15.0 m/m | ± 1       |
|                                                          |           | 16.0 m/m | ± 1       |
| 3.0 m/m                                                  | ± 0.5     | 18.0 m/m | ± 1.2     |
| 4.0 m/m                                                  | ± 0.6     | 20.0 m/m | ± 1.4     |
| 4.5 m/m                                                  | ± 0.6     | 25.5 m/m | ± 1.5     |
| 5.0 m/m                                                  | ± 0.6     | 30.0 m/m | ± 1.8     |
| 6.0 m/m                                                  | ± 0.6     | 35.0 m/m | ± 1.8     |
| 8.0 m/m                                                  | ± 0.6     | 40.0 m/m | ± 2.1     |
| 10.0 m/m                                                 | ± 0.7     | 45.0 m/m | ± 2.1     |
| 12.0 m/m                                                 | ± 0.8     | 50.0 m/m | ± 2.3     |