

# ACRYSTAR Product Data



| TYPE OF TEST     | RESISTANCE          | MAGNITUDE               | RESULT |          |
|------------------|---------------------|-------------------------|--------|----------|
|                  |                     |                         | CLEAR  | COLORED  |
| Strain           | at room temperature | kg/cm <sup>2</sup>      | 6.66   | 8.12     |
|                  | at 0 Centigrade     | kg/cm <sup>2</sup>      | 9.57   | 8.46     |
|                  | sun drying          | kg/cm <sup>2</sup>      | 9.85   | 4.44     |
| Friction         | at room temperature | kg/cm <sup>2</sup>      | 265.93 | 260.12   |
|                  | sun drying          | kg/cm <sup>2</sup>      | 237.94 | 235.55   |
|                  | graving             | kg/cm                   | 4.08   | 6.12     |
|                  | curving movement    | kg/cm                   | 62.125 | 52.25    |
|                  | melting point       | degree Centigrade       | 88.5   | 83       |
| Expansion        | at 24°C-30°C        | mm/mm degree Centigrade | 5/10-5 | 6.5/10-5 |
|                  | at 30°-85°C         | mm/mm degree Centigrade | 9/10-5 | 9.5/10-5 |
|                  | flamation           |                         | none   | none     |
|                  | hardness            | 60 kg/0.5 inch          | 56     | 54.4     |
| Transparency     | original            | %                       | 0      | 15.8     |
|                  | after drying        | %                       | 92.5   | 16       |
| Specific Gravity |                     | gr/cu/cm                | 1.19   | 1.19     |