

**Material Specification  
Sheet**e: sales@rhnutall.co.uk  
t: 0121 359 2484  
f: 0121 359 4439**RHN 34C**[www.rhnutall.co.uk](http://www.rhnutall.co.uk)**POLYLINE STANDARD WHITE**

**Product description:** Specially designed for printing.  
The POLYLINE PRO STANDARD WHITE sheet has a shelf life of one year (RHN guarantees the proper surface energy value for printing for one year from production date).

**Applications:** Offset, UV and silk screen printing, as well as packaging

**Approvals:** The sheets comply with European Directive 2002/95/ EC (ROHS) and 1907/2006/95/EC (REACH), European Regulation 10/2011 and FDA CFR 21.

| TEST                                  | CONDITIONS     | RESULT                                       |
|---------------------------------------|----------------|----------------------------------------------|
| <b>Tensile properties (ASTM D638)</b> |                |                                              |
| Tensile strength at yield*            | MD 23 °C<br>TD | 22 N/mm <sup>2</sup><br>17 N/mm <sup>2</sup> |
| Tensile strain at yield*              | MD 23 °C<br>TD | 17%<br>11%                                   |
| Young's modulus*                      | MD/TD 23 °C    | 300/230 N/mm <sup>2</sup>                    |
| <b>Thermal properties</b>             |                |                                              |
| Vicat softening point (ASTM D1525)    |                | 145 °C                                       |
| Heat distortion Temp. (ASTM D648)     |                | 85 °C                                        |
| Specific gravity                      |                | 0.92 gr/cm <sup>3</sup>                      |
| Surface Energy                        |                | Min. 42 dynes/cm                             |

\* Tests were made on 0.300 mm thick sheets.

| SHEET DIMENSIONS       | VALUE                      | TOLERANCES            |
|------------------------|----------------------------|-----------------------|
| Thickness              | From 240 till 3000 microns | + 0.03 mm / - 0.03 mm |
| Width                  | MAX. 1500 mm               | 0/+7                  |
| Length                 | MAX. 3200 mm               | 0/+7                  |
| LT                     | 23 %                       | 20 - 25 %             |
| Embossing              | Matt/Matt                  |                       |
| Colour                 | White 053                  |                       |
| Standard Configuration | Sheets                     |                       |

The material must be stored in a dry shaded place, at a recommended temp. of 20 up to 25°C at least 24 hours before printing or other processing of the sheets. The information given in this publication is true and accurate to the best of our knowledge.

\*\*The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any application. All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The Company holds no legal or contractual responsibility for information supplied\*\*

