

PO2000

POLYOLEFIN

Description

175µ Matt White Polyolefin is a truly unique synthetic sheet that looks prints and fabricates like paper, while featuring the benefits of plastic films. It can be printed with offset, letterpress, gravure, flexography (UV Flexography will require a primer prior to applying UV curable inks,). Inkjet, screen, laser and thermal transfer processes.

It can also be foil stamped, embossed, die-cut, laminated and thermally formed. It is durable, flexible, water and chemical resistant. PO2000 should be covered at all times to prevent damage or discolouration of the material. The material should be stored in an area away from contact with combustion exhaust fumes or other sources of indoor pollution. These agents can cause discoloration of PO2000.

Face material

Typical properties	
Thickness	178µ ± 17.8µ
Weight	95gsm +10% - 5%
Tensile Elongation at Break MD Tensile Elongation	17.7N/cm

Adhesive

Permanent acrylic pressure sensitive adhesive. It is a high peel, low shear permanent adhesive suitable for adhesion to difficult surfaces. It has very good humidity and water resistance to BS5609. This adhesive is suitable for contact with foodstuffs in accordance with the USA Code of Federal Regulations, 21 CFR., Chp.1., Part 175, Sub parts A + B, Section 175 – 105 “Adhesives”, 21 CFR 176 – 170 “Components.

Typical properties		
Coat Wt.	40gsm m² ± 2gsm	
Adhesion	(FTM 1) (N/25mm)	24
Tack	(FTM 9) (N/25mm)	16
Shear Strength	(FTM 8)	> 2 hrs

The normal upper service temperature is 150°C. The lower application temperature is -5°C and adhesion can be maintained down to - 40°C. Area must be dry and clean on application. PO2000 has good resistance to the effect of migration of phthalate plasticiser and of UV and oxidation.

Release liner

87 g 1 side White Clay Coated Kraft, 1 side solventless silicone coated release paper.

Typical properties		
Weight		87gsm \pm 5gsm
Thickness		92 μ \pm 8 μ
Tear	MD	430mN
	CD	500mN
Release Values 17.5 \pm 7.5 Low speed g/25mm		

Disclaimer

Values shown in this document are averages only. For legal reasons, we emphasize that the information on this data is available as is and that Altec gives no guarantees with respect to the accuracy and completeness nor with respect to interpretations made on the basis of this information.