

## Curious Transluents Clear (ECF)

### Technical Information

✓ = amendment + = addition ✕ = deletion

Substance g/m <sup>2</sup>	62	72	82	92	102	112	140	180	230	285	90a	
Caliper µm (approx)	56	65	71	78	86	92	118	140	170	210	80	
Smoothness (Bendtsen) TS ml/min	200	200	200	200	200	200	400	400	400	500	200	
WS	200	200	200	200	200	200	400	400	400	500	300	
Rigidity (Taber) 15° Stiffness Units	MD CD	0.2 0.1	0.7 0.4	1.0 0.6	1.4 0.7	1.9 1.1	2.0 1.3	4.7 2.8	16 6.5	25.0 15.0	36.0 28.0	1.6 0.8
Surface pH	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.4	

### Environmental Information

#### CONSTITUENTS OF PAPER

Fibre Source – Virgin wood fibre from sawmill residues, forest thinnings and sustainable forests in Scandinavia.

**Mill Broke** – All broke is recycled and can be as high as 15% of the total fibre content.

**Filler** – approx 7% of total grammage.

#### BLEACHING

Pulps used in the production of the above grade are Elemental Chlorine Free (ECF) giving a resultant AOX level of < 0.5 kg per 1000 kg of pulp.

#### DISPOSAL OF WASTE BY-PRODUCTS

Landfill and landspread adhering to strict local laws.

#### PAPER MILL EFFLUENT

Water used is suitably treated and in most cases returned to source in a better condition than when removed, in accordance with strict local laws.

#### ENERGY SOURCE

Gas

#### TOTAL GROSS PRIMARY ENERGY (Paper Mill)

40 Giga Joules / 1,000 kg of paper/board.


**This material is recyclable and bio-degradable.**

**This Mill has ISO 9002 Accreditation.**

### Technical Capability

Printing Process	-	Litho, Letterpress and Screen. A small portion of inclusion particles in the Space Dust product may pick out on the litho blanket.
Screen Ruling	-	150 screen.
Printing Inks	-	Fully Oxidising or UV.
Embossing	-	Shallow embossing (140g/m <sup>2</sup> upwards).
Varnishing	-	Machine or UV spot silk screen varnishing are both possible. For high gloss results it will be necessary to matt UV varnish before gloss UV varnishing. Good results have been obtained by spot varnishing on solids or dense tones by either method. Any varnish applied directly to unprinted areas of the sheet may cause variations in gloss levels. Use of emulsion sealers are not recommended.
Hot Foil Blocking	-	For intricate foiling trials are recommended.
Folding/Creasing	-	Translucent does not delaminate so the usual calculations based on thickness may be inappropriate. We recommend experimentation to find the best combination of Channel width and depth and Creasing rule. For best results fold parallel to the grain and away from the bead contrary to conventional papers. Do not fold in low humidity conditions or after the paper has dried in earlier processes. Grammages less than 92 gcm <sup>2</sup> are not recommended for use on high-speed buckle ✓ folders. Lighter weights can be run satisfactorily at reduced speeds. Pre-creasing is required for weights of 140 gm <sup>2</sup> and above: use a rounded creasing tool and matrix. For 200g and above, we recommend two parallel creases with a gutter to form the spine of the crease. Avoid excessive pressure during folding and subsequent processes to reduce the risk of cracking. Avoid sharp scoring tool. A white crease can appear on folding or embossing.
Cutting/Trimming	-	Translucent is extremely dense, do not use a newly sharpened blade. A slightly dull but polished 23° bevel angle is ideal. Cut in small stacks (5cm max)
Laser/Inkjet	-	Not guaranteed, however acceptable results have been obtained on some machines. Trials are recommended. High temperature resistant Fully Oxidising inks for pre-printing prior to laser printing. 112g/m <sup>2</sup> is the most suitable for Laser printing.
Binding	-	Aqueous based adhesives are not recommended – hot melt is preferred.

**We strongly recommend that a trial is carried out when using this material to ensure that the results meet + your expectations before commencing with the main production run**

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