

Designation: **Transparent Polar Clear Green**
 Dimension: **300 mm x 3 mm x 50 m**
 Reference: **L105B030003005000**

DIMENSIONS

Length: 50 m (≥ 50m)
 Width: 300 mm +0/-4 mm (unrolled)
 Thickness: 3 mm +0/-0,3 mm
 Internal Ø: 200 mm*
 External Ø: 470 mm*

PACKAGING

Identity & Tracability: Each roll has a specific number
 Roll protection: Vinyl film

SURFACE

Flat



TECHNICAL SPECIFICATIONS*

Property	Standard	Unit	Value	Description
Shore A hardness	EN ISO 868	Sh A	65	Index based on a flat indenter's penetration depth. Scale from 0 (Soft) to 100 (Hard).
Tearing resistance	DIN 53515	N/mm	28	Minimum tensile stress required to tear a pre-slit sample.
Tensile strength at break	ASTM D 638	N/mm ²	12	Maximum tensile stress that a material can be subjected to before break.
Elongation at break	EN ISO 527	%	390	Elongation of the specimen at the break point under tensile stress.
Residual elong. (after break)		%	76	Permanent elongation of the specimen measured after rupture in a tensile test.
Thermal conductivity	ASTM C 177	W/m.K	0,16	Ability to conduct heat. The Lower it is, the more insulation.
Cold bend brittle temp.	ISO 8570	°C	-40	Temperature at which the specimen break under torsion stress. Brittle point (CLASH & BERG).
Min./Max usage temp.	EN 1876	°C	-25/+30	Temperature range where material keep its mechanical properties (flexibility).
Vicat softening temp.	EN ISO 306	°C	48	Temperature at which the specimen is penetrated to a depth of 1 mm by a 1 kg flat indenter of 1 sq. mm.
Specific heat capacity	ISO 11357	kJ/kg.K	1,6	Heat energy required to increase the temperature of one kilogram of the material by one degree Celsius.
Sound reduction	DIN 52210	dB	>35	Average sound level (freq. 0,1 to 3,2 kHz) decreased by a 1,76 sq.m. and 5 mm thick PVC curtain.
Reaction to fire	EN 13501-1+A1:2013	-	-	Standard classifications of material self-extinguishing and resistance to combustion.
Light transmittance	ASTM D 1003	%	85	Visible light rate transmitted through the material.
Welding protection	EN 1598	-	-	Ability to filter welding rays allowing the use of this material as a welding protection screen.
UV resistance	ISO4892	-	Yes	Ability to resist to UV (Sun, welding arc).
Surface resistivity	ASTM D257	.10 ¹⁰ Ω/□	3	Material surface electric resistivity measured with a 100 V direct voltage.
Anti-insect	-	-	-	Special ability to keep insects away.(Food processing plants, tropical regions)
Water absorption	EN ISO 62	%	-0,2	Material mass variation after exposure to humid conditions. (<0 if released / >0 if absorbed)
Density	ASTM D 792	g/cm ³	1,18	Mass per unit volume.

* The data contained in this technical specification is given for information only and is based on our current knowledge of the products concerned.

This information given to our customer in good faith to inform him and to help him in his search, does not constitute any formal or implicit guarantees as to its use.

THIS PRODUCT IS COMPLIANT WITH REGULATION (EC) No 1907/2006 - REACH