



## CONSERVATION BY DESIGN LIMITED

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## Material Safety Data Sheet (ESCAL™ Transparent Gas Barrier Roll Foil)

ESCAL™ is an original transparent gas barrier roll film for the RP System™ and used with the RP Agent. ESCAL™ has a high barrier to oxygen and moisture, and is appropriate for long-term storage. Please take a look at the catalogue of the RP Systems™ before use.

### Composition and Thickness

Composition PP / Ceramics deposited PVA / PE

Thickness Approx. 112 microns

\* The composition and thickness are subject to change without notice.

### Performance

Oxygen Permeability	5 x 10 <sup>-7</sup> ml / m <sup>2</sup> day Pa (0.05ml / m <sup>2</sup> day atm)	(25°C, 60%RH)
W.V.T.R (water vapour transmission rate)	0.01 g / m <sup>2</sup> day	(25°C, 60%RH)
Tensile strength	85 N / 15mm width (8.7kgf / 15mm width)	(ASTM D 882)
Tearing strength	0.9 N (96gf)	(ASTM D 1922)
Puncture Strength	12 N / 0.5mmø (1.2kgf / 0.5mmø)	
Sealing strength	50 N / 15mm width (5.1kgf / 15mm width)	(ASTM F 88)
Surface resistance	2 x 10 <sup>18</sup> Ω	(ASTM D 257)

Gerubo test

1 pinhole per 5 bags (after 1,000 times) (ASTM F 392 )

\* **The above data represents the results of experiments performed by MGC and are not a guarantee of actual performance.**

**Feb 28, 2001**