

**POLYESLINE S.L.**

Polígono Industrial "Els Mollons". C/ Tapissers, 4 – 46970 Alaquas, Valencia –Spain.

Tel: 0034 96 006 65 10 Mail: comercial@polyesline.com

Web site: www.polyesline.com**CELLULOSE 95 μ GLOSS FILM****TECHNICAL SPECIFICATION SHEET**

		Thickness
PROPERTIES		μ /micron
		95
Finish		gloss/gloss
GENERAL		
Specific Gravity		1.32
Equilibrium moisture content, % (23C and 50% RH)		Circa 2%
Surface energy (dyn cm ⁻¹)		38-42
Areal Density (g/m ²)		125.4
YIELD (m ² /kg)		7.97
Dynamic Friction coefficient		0.4-0.65
OPTICAL		
Transparency (%) ASTM D1746		90.6
Gloss (%) ASTM D523, BS 2782 520A:	20°	142
	60°	148
	85°	124
Haze (%) ASTM D1003, BS 2782 521A		1.4
Refractive Index		1.485
MECHANICAL		
Tensile strength (Nmm ⁻²) ASTM D882	MD*	80-110
Elongation at break (%) ASTM D882	MD*	20-45%
E-Modulus (Nmm ⁻²) ASTM D882		2000-2500
Tear initiation (N) ASTM D1938	MD*	0.234
Tear propagation (N) ASTM D1938	MD*	0.220
THERMAL		
LINEAR SHRINKAGE % (115°C 10 mins)	MD*	1-1.5
Dimensional stability (20hrs 80C 95% RH)	MD*	2.15%
Softening temperature (°C)		≈137
Glass transition temperature (°C)		≈120
ELECTRICAL		
Surface resistivity (Ω m ⁻²) 50% RH		1.6x10⁻¹³
Dielectric breakdown (kVmm ⁻¹)		n/a

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. POLYESLINE S.L. suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.

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BARRIER PROPERTIES		
Moisture vapour transmission rate (gm ⁻² day ⁻¹)		
M.V.T.R.(25°C & 75% RH)		348
M.V.T.R.(38°C & 90%RH)		254
CHEMICAL PROPERTIES		
Chemical resistance ASTM D543 - 87		Low resistance to Ketones; Attacked by esters, moderate to concentrated strong acid and bases. Resistant to non-polar solvents
<i>Food contact approved</i>		Yes
<i>Din Certco EN 13432 certified</i>		Yes
<i>BPI Certified ASTM D6400</i>		Yes
<i>Vincotte OK Home Compost approved</i>		Yes

MD* = machine direction

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