

Eastman Performance Films

LLumar Clear Safety Film SCL SR PS4, PS7 and PS8 Test Reports Summary

Purpose

The table below shows key test reports / material properties available for LLumar Safety and Security films SCL SR PS4, SCL SR PS7 and SCL SR PS8 available from Eastman Performance Films.

Additional information is available on request.

TABLE I - STANDARD TESTS AND SAFETY FEATURES

Standard	Description	SCL SR PS4	SCL SR PS7	SCL SR PS8
EN 12600	Impact resistance	2B2*	1B1*	1B1*
EN 356	Resistance to manual attack	-	-	P1A
EN45545 (EN 13501-1)	Fire certificates	HL3 A1	HL2 A1	HL2 A1
Material Properties	Thickness (μ)	117	193	224
	Puncture strength (lbf)		145	156
	Peel strength (Kgf/25mm))	>2.72	>2.72	>2.72
	Break Strength (peak load) (KN/m - Kilo Newton/m)	23.3	36.9	44.5
Material Properties (Machine Direction)	Tensile strength	224 N/mm2	199 N/mm2	204 N/mm2
	Yield strength	105 N/mm2	102 N/mm2	104 N/mm2
	Elongation at break	100%	70%	86 %
	Elongation at yield	7%	6.5%	7 %
Material Properties (Transverse Direction)	Tensile strength n/mm2	207 N/mm2	148 N/mm2	167 N/mm2
	Yield strength n/mm2	108 N/mm2	107 N/mm2	108 N/mm2
	Elongation at break	139%	85%	108 %
	Elongation at yield	6%	8%	7 %

*on 4mm float glass

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