

WELDABLE PVC FILM

PRODUCT

Eco Clear PVC Film

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE	TOLERANCE	METHOD
Base resin	Suspension polyvinyl chloride (PVC) resin		
Plasticiser	Diocetyl terephthalate (DOTP)		
Stabiliser	Barium-zinc organic stabiliser system		
Pigments and additives	Organic and Inorganic Pigments		
Thickness	90 ÷ 300 µm	< 130 ± 7% ≥ 130 ± 5%	ISO 4591:1979 E
Mass per unit area	115 ÷ 390 g/m ²	± 5%	
Density	1.28 ÷ 1.30 g/cm ³	± 0.01	ISO 1183-1.2: method A

Property		Value		Unit	Method
Dynamometric Characteristics		Specimen elongation rate: 100 mm/min; tests performed after conditioning at 23°C.			
Load at 10% Elongation		Long.	19.5	N/mm ²	(ISO R527/3) METD001
		Transv.	18.9		
Breaking Load		Long.	> 30	N/mm ²	(ISO R527/3) METD001
		Transv.	>27		
Elongation at Break	90 µ	Long/Transv	> 200	%	(ISO R527/3) METD001
	120 µ	Long/Transv	> 210		
	140 µ	Long/Transv	> 220		
	180 µ	Long/Transv	> 230		
	250 µ	Long/Transv	> 240		
	300 µ	Long/Transv	> 250		
Dimensional Stability		90 - 120 µ Long.	max - 5	%	(10' a 100°C)
		140 µ Long.	max - 4		
		180 ÷ 300 µ Long.	max - 3		
		Transv.	max + 1,5		
Tear Resistance	90 µ	Long./Transv.	> 5	N/mm	ISO 6383-1:1983
	120 µ	Long./Transv.	> 7		
	140 µ	Long./Transv.	> 9		
	180 µ	Long./Transv.	> 12		



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	250 µ	Long./Transv.	> 18	> 22		
	300 µ	Long./Transv.	> 24	> 25		

The values stated above are average indicative values. It is the customer's responsibility to ensure that the product is suitable for the intended application and complies with all applicable legislation relating to its use.



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