

Transclean

The cleanest and clearest high barrier packaging available today



Totally **transparent**

Super barrier against moisture

Particle and contamination **FREE**

Bags only

Zeal Clean Supplies is a world leader in the manufacture of Ultraclean Polythene, Ultraclean Clear High Barrier Packaging and a wide range of High Barrier Foil Packaging

www.zealcleansupplies.co.uk

TRANSCLEAN Bag

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SUPER BARRIER LAMINATE MADE IN CLASS 1000 Cleanroom

Physical Characteristics

Property Measured	Method Used	Units of Measurement	Typical Value					
Film Thickness	2 X Alox coated Polyester	Microns	32					
	Adhesive	Microns	8					
	Cleanroom Polyethylene	Microns	60					
	Total	Microns	100					
Normal Yield		m ² /kg	7.13					
Nominal Grammage		g/m ²	140.0					
Elmsdorf Tear Strength	ASTM D 1922	g/f	MD	43				
			TD	56				
Puncture Energy	FTMS 101C	lb/ft	MD	1.7				
			TD	1.5				
Light Transmission		%	100					
Heat Sealing Conditions		°C	160 - 200					
MVTR	ASTM 1429	gm/100"sq/24 hrs 100% RH and 37.8Deg C	0.0008					
Particulates	LIQUID PARTICLE COUNT	Particle size > 0,30 µm > 0,50 µm > 1,00 µm	15.2 per cm² 6.2 per cm² 2.2 per cm²					
VOC (outgassing)	Anions	F	Cl	Br	NO3	NO2	SO4	PO3
	Found	<0.023	<0.030	<0.076	<0.044	<0.025	<0.100	<0.113
	LLD	0.023	0.030	0.076	0.044	0.025	0.100	0.113
	Cations	Li	Na	NH4	K	Mg	Ca	
	Found	<0.024	<0.020	<0.111	<0.017	<0.039	<0.045	
	LLD	0.024	0.02	0.111	0.017	0.039	0.045	
	Measures given in ng/cm ²				LLD = Low Limit Detection			
Ion Chromatography	Global contamination as tuolene equivalent						µg/cm ²	0.15
							µg/g	14
Product Construction	AlOx Coated Polyester / Adhesive / Cleanroom produced LDPE							