

KlasseCLAD™ Heavy Grade Foil Barrier Jacketing

Construction:

10 ply, UV coat and multilayered laminate with pressure sensitive adhesive and release paper liner

Description:

KlasseCLAD™ Heavy Grade Foil Barrier Jacketing is a zero permeability, all weather, multi-layered laminate coated with an aggressive cold weather acrylic adhesive. Superior resistance to weathering, fungi, UV and extreme environmental conditions. Designed for use as a vapour barrier insulation cladding and jacketing applications.

Silver Smooth finish.

Features:

- Superior adhesion in cold and hot
- Strong adhesion and holding power
- High puncture and tear resistance
- Excellent sealing and patching performance

Property	Unit	Value	Test Method
Backing Thickness	Micron	210	PSTC-133 / ASTM D3652
Tack Rolling Ball	cm	20	PSTC-6 / ASTM D3121
Peel Adhesion	N/25mm	35.6	PSTC-101 / ASTM D3330
Puncture Resistance	N	242	ASTM D1000
Tensile Strength	N/25mm	730	PSTC-131 / ASTM D3759
Elongation	%	98	PSTC-131 / ASTM D3759
Service Temperature	°C	-70°C ~ 149°C	-----
Water Vapor Permanency	g/m ² .24hrs	<0.0005	ASTM E96
Chemical Resistance		Good	-----

Cut Roll: 48mm, 50mm (2"), 60mm, 63mm (2.5"), 72mm, 75mm (3"), 96mm, 100mm (4").

Jumbo Roll: 1200mm x 850M, 1200mm x 750M.

Remarks

1. The data above are typical results and subject to change without notice.
2. Tolerance: Weight and Thickness: $\pm 10\%$; Width: $\pm 3\text{mm}$; Length: Cut Roll: $\pm 0.3\text{m}$, Jumbo Roll $\pm 0.5\%$.
3. The product should be stored at room temperature and kept from wet and heat source.
Shelf life: One year from shipment date when stored at 21°C (70°F) / 50% relative humidity out of direct sunlight.
4. It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied must be clean, dry, and free of grease and oil.
5. The user should take test and do trial-application on the above products before coming into application so as to witness and ensure suitability for user's special purpose and technique.

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because Klasse cannot accept responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



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Material & Engineering Laboratory

Applicant	Klasse Group Limited
Product Description	KlasseCLAD™ EMBOSSED
Product Type	AL/PET/AL/PET/AL
Product Color	SILVER
Manufacturer	Klasse Group Limited
Supplier	
Product Submitted By	Klasse Group Limited
Received Date	JUNE 13 2017
Tested Date	JUNE 13 2017 – SEPT 4 2017
Remark	The information mentioned in the above section is provided by Client (Exclude Date of Sample Received and Date of Testing)

Test Request :

- 1.Tensile Strength
- 2.Peel-Adhesion
- 3.Shear -Adhesion Test
- 4.Weather Resistance test-UV Exposure 1000 h

Test Method

1. Ref. ASTM D882-12 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
2. PSTC-101 O5/O7 Peel Adhesion of Pressure Sensitive Tape-Method A
3. PSTC-107 O5/O7 Shear Adhesion of Pressure Sensitive Tape-Method A
4. ASTM G154-16 Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials

Test Apparatus:

Name	Brand	Model
Tensile Machine	INSTRON	5969
Accelerated Weathering tester	Q-LAB	QUV /Spray

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Test Result:

Test Item	Result
Tensile Strength(MPa)	
MD	43
CD	56
Elongation(%)	
MD	76
CD	69
Peel-Adhesion (N/25mm)	31
Shear -Adhesion test(h)	153
Weather Resistance Test(1000h)	
Appearance	Color No Change, No Cracking ,Peeling and brittle
Tensile Strength(MPa)	
MD	40
CD	49
Elongation(%)	
MD	88
CD	68
Peel-Adhesion (N/25mm)	34
Shear -Adhesion test(h)	94

Note: 1.Test Condition:23±1 °C ,50±5% RH

2. Shear -Adhesion test :Adhesion area:24±0.5mmx24±0.5mm / Adhesion Stress:2.20psi(l 5.2kPa)

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