

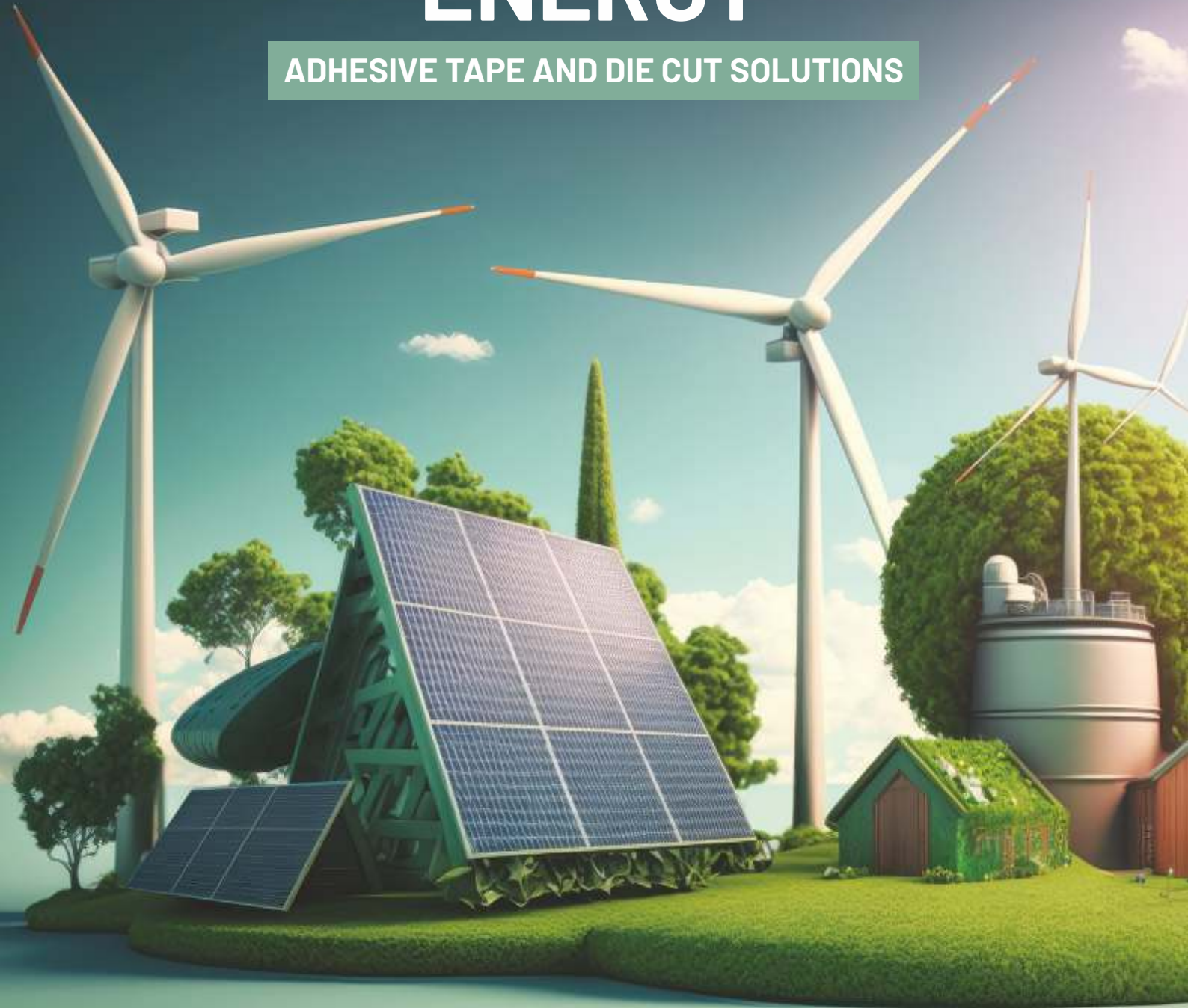


AIPL GROUP



RENEWABLE ENERGY

ADHESIVE TAPE AND DIE CUT SOLUTIONS



strong smart stable

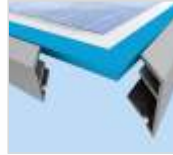
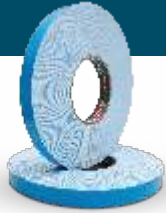
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PSA TAPE SOLUTIONS FOR SOLAR ENERGY

FRAME MOUNTING TAPE

PE 21002-SL

- High ultimate adhesion level for a reliable bonding performance
- Designed for outdoor application - UV, water and age resistant
- Conformable PE foam core with high inner strength, High shear strength
- Suitable for automatic and manual module assembly
- Easy solar module assembly due to a high foam compression rate

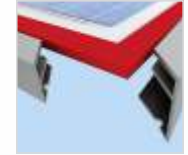


PARAMETERS	UNITS	PE-21002 VALUE
Adhesive + Carrier	mm	1
Liner	mm	0.1
Liner Color	Visual	Blue
Tensile Strength	Kgf/25mm	2.5 Min
Elongation	%	200 Min

FRAME MOUNTING TAPE

GHB-1000 RED LINER WHITE FOAM

- High ultimate adhesion level for a reliable bonding performance Design for outdoor application - UV, water and age resistant
- Conformable acrylic foam core with high inner strength, High shear strength
- Suitable for automatic and manual module assembly
- Easy solar module assembly due to a high foam compression rate
- Highly recommend for the panels above 100W (Size of Panel 1125mm x 665mm & above Approx)

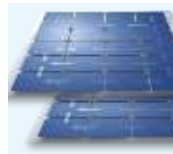


PROPERTIES	SUBSTRATE	UNIT	VALUE
Color of Tape	.....	Visual	White
Type and Color of Liner	.....	Visual	Red
Tape Thickness	.....	mm	1 ± 0.05
Elongation	.....	%	800 ± 20
Dynamic Shear Strength			
(I) Intial State (After 20 min.)	Painted Panel & PVC with Primer	kgf/cm ²	1.5 (min)
(II) Normal State (After 24 hours)	Painted Panel & PVC with Primer	kgf/cm ²	2.00 (min)
Peel Strength at 180°			
(I) Intial State (After 20 min.)	Painted Panel	gf/25mm	2000 (min)
(II) Normal State (24 hours)	Painted Panel	gf/25mm	3000 (min)

CELL FIXATION TAPE

A-255 SP

- High initial adhesion and no residues after peel
- Excellent temperature resistance
- Good aging and UV resistance
- Excellent light transmittance



PROPERTIES	UNIT	VALUE
Carrier	.....	Polyester
Type of Adhesives	.....	Acrylic Base
Total Thickness	mm	0.055 ± 5%
Adhesion to Steel	Gm/cm	250 Min
Tensile Strength	Kgf/cm	3 min
Elongation	%	50 min
Colour	Visual	Transparent
Temperature Resistance (-40°C to 150°C)	°C	PASS No Mass Transfer

EDGE SEALING TAPE FOR DUAL GLASS MODULE

A-2130 SP

- Single sided PET coated with silicon pressure sensitive adhesion with excellent bonding performance to PV glass
- It is high temperature resistance, low adhesion to encapsulate
- No adhesion retention and break after lamination peel off
- It is available in different thickness and width as per the application requirement



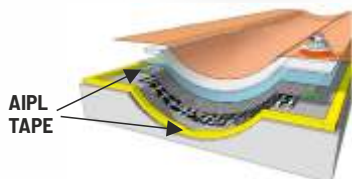
PROPERTIES	UNIT	VALUE
Carrier	.....	Polyester
Type of Adhesives	.....	Silicon Base
Total Thickness	mm	0.130 ± 5%
Adhesion to Steel	Gm/cm	300 Min
Tensile Strength	Kgf/cm	3 min
Elongation	%	50 min
Colour	Visual	Transparent
Temperature Resistance (-40°C to 150°C)	°C	PASS No Mass Transfer

PSA TAPE SOLUTIONS FOR WIND ENERGY

RESIN INFUSION CHANNEL FIXING

PV-1200

- White double sided self adhesive tape consisting of a PVC film backing and a modified acrylic adhesive
- Excellent combination of high tack and immediate adhesion with good performance on rough surfaces



PROPERTIES	UNIT	VALUE
Backing Material	Visual	PVC Film
Total Thickness	mm	0.200 ± 0.010
Film Thickness	mm	0.065
Adhesion to Steel	N/cm	15
Tensile Strength	N/cm	40
Elongation	%	25 min
Colour	Visual	White
Type of Adhesive	-----	Modified Acrylic Adhesive

PSA TAPE FOR MOLD PREPARATION

P 37F

- Paper based masking tapes used for holding of Glass fibers and other mold materials in place during mold laying process
- It provides excellent pressure sensitive and resistance to water, solvents and oils
- Available in different width and thickness as per the application requirements

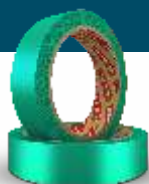


PROPERTIES	UNIT	VALUE
Carrier	.....	General Crepe Paper
Tape Thickness	mm	0.130 ± 0.015
Colour of Tape	Visual	Creamish
Adhesion to Steel	Gms/Inch	600 Min
Tensile	Kgf/Inch	6.5 Min
Elongation	%	10 Min
Shear Strength	Hrs	8 Min
Temperature Resistance	°C	70° for 45 Minutes

PSA TAPE FOR MOLD PREPARATION (FLASH BREAKER TAPE)

A536G

- Our range of single-sided PET tapes with silicone adhesive are designed for masking applications around the mold during resin infusion
- They adhere well to molds treated with release coats, can be removed without tearing, and protect the mold from flashed resin
- They are available in various colors and thicknesses for either higher conformability or greater tensile strength
- Product features: Excellent adhesion on mold surface, even with release coat applied
Temperature resistant up to 220°C

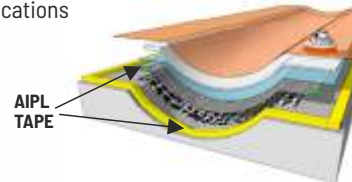


PROPERTIES	UNIT	VALUE
Backing Material	Visual	Polyester Film
Total Thickness	mm	0.065 ± 0.005
Film Thickness	mm	0.036
Adhesion to Steel	Gm/25 mm	1000 min
Tensile Strength	Kg/25 mm	14 min
Elongation	%	70 min
Colour	Visual	Green
Type of Adhesive	-----	Silicone Adhesive
Temperature Use Range	°C	Long Term -50~+150 Short Term > 200
Shear Strength	Hours	450 max
Dielectric Strength	KV	5 (Pass)

RESIN INFUSION CHANNEL FIXING

P93 R

- P93 R is a transparent double sided self adhesive tape consisting of a PET film backing & acrylic adhesive
- This tape provides strong rigid bond for the most demanding external applications. Suitable for fiber layer fixation, vacuum spiral holding and other parts
- Excellent combination of high tack and immediate adhesion
- Suitable for long term applications



PROPERTIES	UNIT	VALUE
Carrier Color	Visual	Transparent
Color	Visual	Pink PE Liner
Thickness	mm	0.200 ± 0.010
Adhesive Strength	Gms/25 mm	2000 Min
Tensile Strength	Kgf/25 mm	7 Min
Elongation	%	70 Min

PTFE SHEET FOR VACUUM LAMINATOR

PTFE 025

- It is made up of a woven glass cloth substrate coated with polytetrafluoroethylene (PTFE) resin, which makes the fabric waterproof, durable and high temperature resistance
- This material has excellent electrical properties, chemical resistance and fire retardancy
- It can remain flexible in low surface energy that limits adhesion from various contaminants



Item No.	PTFE 025
Color	Brown
Basic Fabric	Fiberglass fabric
Weaving Pattern	Plain weaving
Basic Fabric Thickness	0.18mm
Coating Layer	Polytetrafluoroethylene
Nominal Thickness	0.25mm
Actual Thickness	0.23-0.25mm
Weight	480-500g/sqm
Tensile Strength (warp)	1860N/5cm
Tensile Strength (weft)	2100N/5cm
Temperature resistance (24hours)	-70°-260°C

VORTEX ATTACHMENT TAPE

GHB 400G1

- D/S acrylic foam tape with excellent bond having high strength backed with acrylic adhesive
- This product can be used on uneven surfaces. Recommended to be used on exterior applications
- Available in various thickness as per the application requirement



PROPERTIES	UNIT	VALUE
Adhesive		Acrylic
Carrier		Acrylic Foam
Foam Colour		Gray
Thickness	mm	0.4 ± 0.05
Release Liner		Red PE
Normal Tensile (T-Block)	gf/cm ²	≥ 7,800
180° Peel Strength To Stainless steel Room Temperature	gf/25mm	≥ 3,000
Static Shear To Stainless Steel 80°C, 1000g Static Load	Hr	> 24
Dynamic Shear Strength To Stainless Room Temperature after 30 mins. To Stainless Room Temperature after 24 hours.	gf/cm ²	≥ 5,000 ≥ 7,400
Temperature Tolerance (Short Term) 4 hours With 100g Static Load	°C	150
Temperature Tolerance (Long Term) Maximum Temperature With 250g in Shear for 10,000 mins.	°C	100

CERTIFICATIONS & CAPABILITIES



AIPL GROUP

AJIT INDUSTRIES PVT. LTD.

Adhesive Tapes & Die Cut Solutions

IATF 16949:2016 Certified | ISO 14001:2015 Certified

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