



ZENNOV

Bond Together



Who We Are

Incorporated in 2006, Zennov Industry Sdn Bhd is a specialist of manufacturing, supplying, and distributing industry premium quality industry materials in Malaysia. Our team's strength in technical, knowledge, market experience and skills help many of our customer identifying and customize right solution to solve technical problems.

We continually improve our product and service through the latest technology and a keen emphasis on research and development. Over the years, we have forged a solid reputation by supplying industrial materials around the region with specifically adhesive tape that consistently meet a wide range of needs.

Mission

To satisfy our customers with innovative solutions, quality products, excellent service, and competitive pricing.

Vision

To be one of the leading industrial solution providers in our focus segments in the region.



Core Value



Customer First

A satisfied customer is the best business strategy of all.



Continuous Improvement

Don't settle for mediocrity; never let good enough be good enough.



Evolve and Adapt

Don't just change. Evolve! Don't just survive. Adapt!



Innovative

There's a way to do it better – find it



Teamwork

Great things in business are never done by a person. They are done by a team of people

Our Business Coverage Region



China



Indonesia



Malaysia



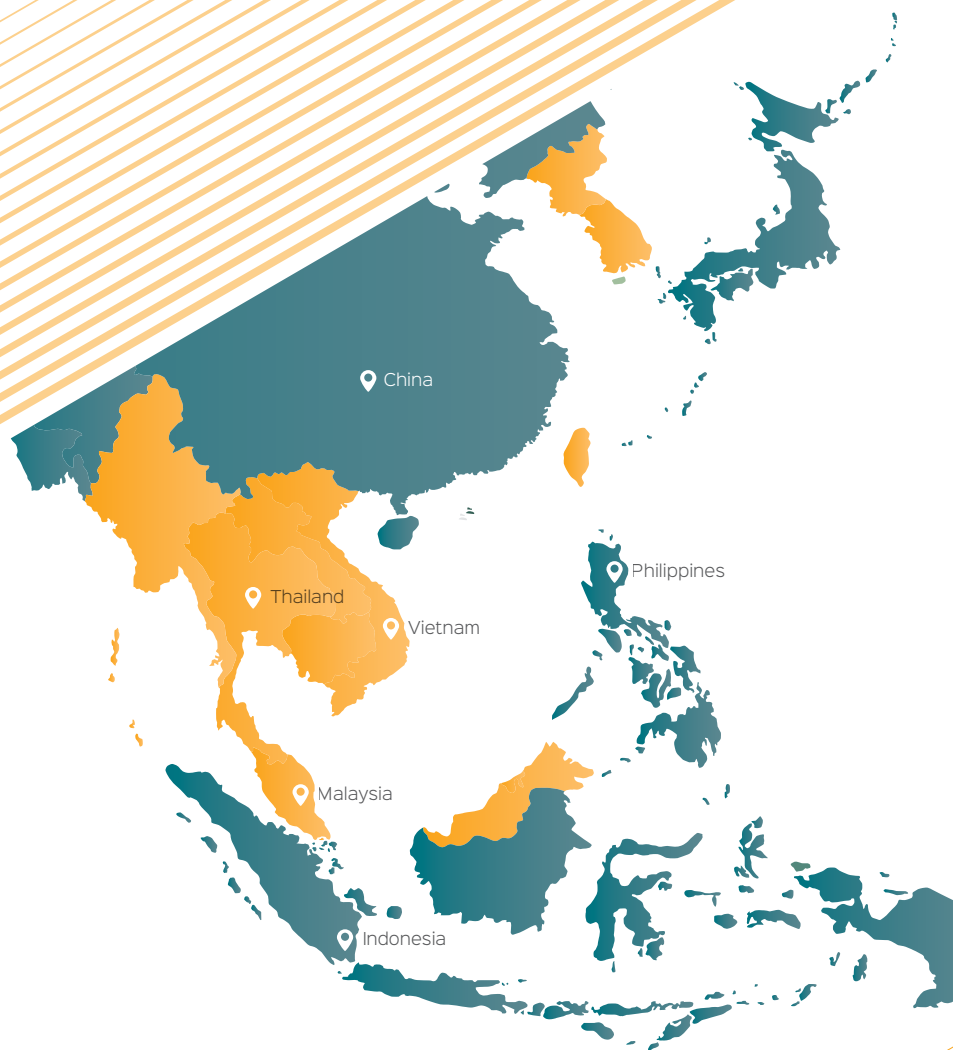
Philippines



Thailand



Vietnam



Our Competence

In house R&D and Laboratory Setup

We have in-house R&D and laboratory set up to provide powerful knowledge and insights, which leads to improvements to existing products.



Consistence Products Quality

Product quality are non-compromise. This belief pushes our standard ever higher, improving quality from product to product.



Customers Expect Speedy Service

We provide immediate help to our customer's immediate needs. We deliver a compelling experience at every touchpoint with the customer.



Wide Range of Product Solutions

Adhesive tape, release liner, foam, thermal management products, and mica with an emphasis on quality, innovation, technology, and cost-effectiveness.



Reliable Solutions

We work closely with our customers on the development of specific applications and custom solutions, in ensuring the highest level of reliability to the specific applications.



Industry (Market Segment)



Appliances and Office Automation

We offer numerous solutions, adhesive tape, foam, and thermal pad, etc. for various applications.



Consumer Electronic

Our adhesive tape and thermal management solutions for smart phone, tablet, TV and other smart devices.



Automotive

We support solutions on fastening such as foam felt lamination, emblem mounting etc.



Security

Inlay bonding and tags in RFID and offer wide range of temper proof security tape and labels, use in the packaging and transportation of sensitive and high values items.



Electric Vehicle Batteries

We offer reliable thermal management solutions for EV batteries.



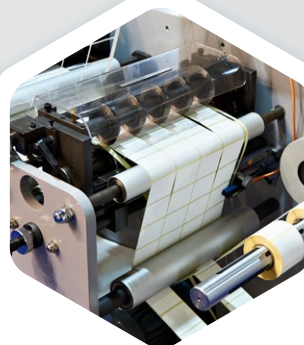
Telecommunication

We offer reliable thermal management solutions for 5G telecom projects.



Transportation and Road Safety

Assorted reflective materials for transportation and road safety is available, reflective tape in different colors and materials with the highest industry standard.



Die Cut and Converting

We provide totals solution by customizing the needs from design stage to the final products.

Product Assortment

Adhesive Tape



Double Sided Tape

Product Code	Backing	Thickness (mm)	Adhesive	180° Adhesion (N/25mm)	Colour	Sample
SN40140 SN40160	Non-Woven	0.14 0.16	Acrylic	>16	Translucent	
Characteristic	High-performance double sided tape with high adhesion, cohesion and tack. Good temperature resistant and excellent repulsion resistant.			Application	- Suitable for various types of substrates such as foam, felt, rubber and nameplate fixing. - Widely used in home appliances, air conditional, TV, premium packaging and other consumer electronics devices.	
ZDN2100 ZDN2140	Non-Woven	0.10 0.14	Low VOC Acrylic	>14	Translucent	
Characteristic	Low VOC with high bonding strength on various substrates such as fabric, felt, foam, paper board, PC and ABS.			Application	Used in application where strong bonding yet low VOC required such as fabric, felt lamination at interior car compartment.	
SN40100 SN40120	Tissue	0.10 0.12	Acrylic	>14	Translucent	
Characteristic	High-performance double sided tape with high adhesion, cohesion and repulsion resistance.			Application	- Suitable for various types of substrates such as foam, felt, rubber lamination and nameplate fixing. - Widely used in home appliances, air conditioning, TV, premium packaging and other consumer electronics devices.	
ZDN8100 ZDN8120	Tissue	0.10 0.12	Acrylic	>10	Translucent	
Characteristic	General-purpose double sided tape with good adhesion.			Application	Suitable for non-critical applications yet low cost required - splicing of paper board, nameplate and felt laminations.	
ZW242	Tissue	0.14	Acrylic	>14	○ White	
Characteristic	- Flame retardant, VTM-0. - High bonding strength on various substrate such as foam, felt, rubber and metal.			Application	Used in critical applications where flame retardant is required such as in EV batteries, home appliances and other electrical devices.	
ZDN3150 ZDN3200 ZDN3250 ZDN3300	Non-Woven	0.15 0.20 0.25 0.30	Rubber	>25	Translucent	
Characteristic	Premium double sided tape with ultra-high adhesion and repulsion resistance.			Application	Suitable for the application required very high immediate bonding strength and repulsion resistance where normal acrylic adhesive unable to fulfil - brush lamination at the vacuum cleaner, thick felt lamination on small contact area or curve area.	
ZDP8050 ZDP8100	Polyester	0.05 0.10	Acrylic	>10	Clear	
Characteristic	Thin double sided with high adhesion and temperature resistance, the PET backing provide a clean die-cut to eliminate any fibre contamination which is critical for handheld.			Application	- Lamination of PORON, PET/PI sheet, label, RFID inlay. - Widely used in applications related to handheld device such as mobile phone, tablet and also other consumer electronics.	
ZDP8160 ZDP8200	Polyester	0.16 0.20	Acrylic	>16	Clear	
Characteristic	Premium double sided with high adhesion and temperature resistance, the PET backing provide clean die cut eliminate any fiber contamination which is critical for handheld device assembly.			Application	Application required strong bonding - window lens fixing, O ring in the handheld device and also electronics components which bonding area are limited such as headphone, MP4, accessories like speaker and receiver.	
ZDP8050B ZDP8100B ZDP8160B ZDP8200B	Polyester	0.05 0.10 0.16 0.20	Acrylic	>10	● Black	
Characteristic	- Wide range of thickness with high adhesion and temperature resistance. - Available in black colour for colour matching to the substrate and light-shielding purpose.			Application	- Use in TV, handheld devices where light-blocking required. - Laminated on PC, PET sheet as spacer part in the electronics components.	

Adhesive Tape



Double Sided Tape

Product Code	Backing	Thickness (mm)	Adhesive	180° Adhesion (N/25mm)	Colour	Sample
ZDP8170	Polyester	0.17	Acrylic	>20	Clear	
Characteristic	- Premium double sided tape with very high bonding strength, holding power and temperature resistance. - Very high 90° shear resistance.			Application	Application where very high ultimate bonding strength, temperature and repulsion resistance. Used in home appliances, TV and other handheld devices.	
ZDP8085R	Polyester	0.085	Acrylic	6N, 18N	Clear	
Characteristic	- Residue-free removal and ultra-clear tape. - Premium solutions for premium packaging application whereby absolute transparency and residue-free removability are required.			Application	Used in mobile phone, tablet and accessories packaging where the tape apply on packaging film (PET, PP) provide absolute transparency and is able to remove without any adhesive residue.	
SSP-100-38 SSP-185-125 SSP-250-188	Polyester	0.10 0.185 0.25	Acrylic	>12	Clear	
Characteristic	- Double sided tape with high adhesion and very stable dimensional shape. - It comes with double layers PEK liner provides an exceptional advantage for converting and die cut.			Application	Widely used as spacer tapes in membrane switches for microwave, oven and other control panels for electronics devices.	
ZDF8600B ZDF81000B	PE Foam	0.60 1.00	Acrylic	>13	● Black	
Characteristic	- Very high adhesion and holding power. - It provides a good feature for cushioning, stress levelling and gap filling.			Application	Application required high thickness, high bonding and holding high load - mirror mounting, glass mounting in the oven, car plate, emblem, fixing big plastic profile - indoor advertisement signboard.	
ZDF6800R	PE Foam	0.80	Rubber	(Close,9) / (Open,24)	○ White	
Characteristic	Strong holding strength for high load and residue-free removability.			Application	Price label profile display at the hypermarket.	
ZDA Series	Acrylic Foam	0.20 - 1.60	Acrylic	>16	Clear ● Grey	
Characteristic	- Very high adhesion, temperature and shear resistance. - Very strong permanent bonding with excellent environmental (UV, sunlight), ageing and water resistance.			Application	- Critical applications such as outdoor bonding applications - emblem and panel mounting for cars, outdoor signage etc. - An application where very high bonding strength is required such as window lens mounting in handheld devices, frame mounting in TV and solar panel.	
ZDP5100	Polyester	0.10	Silicone / Acrylic	>9 ; >18	Clear	
Characteristic	High-temperature resistance and high adhesion on silicone rubber.			Application	Application requires secure bonding on silicone foam or rubber.	
ZDCC7055 ZDCC7100 ZDCC7200	Conductive Fabric	0.055 0.10 0.20	Conductive Acrylic	>10	● Grey	
Characteristic	Excellent electrical conductivity and high adhesion.			Application	Thin double sided tape for fixing parts required high electrical conductive - mobile phone, tablet and other electronics devices.	
ZDCN7055	Conductive Non-Woven	0.055	Conductive Acrylic	>9	● Grey	
Characteristic	High-temperature resistance, anti-repulsion and excellent electrical conductivity.			Application	Thin double sided tape for fixing parts required high electrical conductive - mobile phone, tablet and other electronics devices.	

Product Assortment

Adhesive Tape



Transfer Tape

Product Code	Backing	Thickness (mm)	Adhesive	180° Adhesion (N/25mm)	Colour	Sample
ZT8050 ZT8100 ZT8130	N/A	0.50 0.10 0.13	Acrylic	>10	Clear	
Characteristic	Extremely conformable, high adhesion and temperature resistance.			Application	- Fixing various substrates used in nameplates and membrane switches in appliances and other electronic devices. - Fixing RFID inlay, chip positioning during the production of a security card.	
ZT7030 ZT7050	N/A	0.03 0.05	Conductive Acrylic	>14	● Grey	
Characteristic	Excellent electrical conductivity and high adhesion level.			Application	Fixing of components required very good electrical conductivity and EMI shielding in consumer electronics devices - mobile phone, tablet, TV etc.	



Protection Tape

Product Code	Backing	Thickness (mm)	Adhesive	180° Adhesion (N/25mm)	Colour	Sample
ZPS Series	Polyester	0.06, 0.08	Silicone	3 - 100 gf	Clear ● Blue	
Characteristic	Residue-free removability, very good wetting and bubble free.			Application	- Screen protection such as mobile phone, tablet and surface protection for painted surfaces . - Used as process tape during die cut process to remove matrix waste.	
ZPA Series	Polyester	0.062, 0.082	Acrylic	3 - 100 gf	Clear ● Blue	
Characteristic	Residue-free removability and bubble free.			Application	- Screen protection such as mobile phone, tablet and surface protection for painted surfaces . - Used as process tape during die cut process to remove matrix waste.	
ZCS Series	Polyester	0.06, 0.08	Silicone	3 - 100 gf	Clear	
Characteristic	- Residue-free removability and good at wetting. - Excellent dimensional stability and easy die cut handling.			Application	Used as process tape during converting / die-cut processes.	
ZCA Series	Polyester	0.055, 0.06, 0.075, 0.08	Acrylic	3 - 100 gf	Clear	
Characteristic	- Residue-free removability. - Excellent dimensional stability and easy die cut handling.			Application	Used as process tape during converting / die-cut processes.	
ZPE Series	Polyethylene	0.05 - 0.15	Acrylic	3 - 250 gf	Transparent ● Blue	
Characteristic	Residue-free removability.			Application	Use as large-area surface protection for various surfaces.	

Adhesive Tape



Single Sided Tape

Product Code	Backing	Thickness (mm)	Adhesive	180° Adhesion (N/25mm)	Colour	Sample
ZSP8050BR	Polyester	0.05	Acrylic	>3.5	● Black	
Characteristic	• Residue-free removability.			Application	• Used as indicative label or masking and can be removed cleanly without residue.	
ZSP8050 ZS8050B	Polyester	0.05	Acrylic	>5	Clear ● Black	
Characteristic	• Excellent electrical insulation, good adhesion and heat-resistant.			Application	• As insulation layers during final bandage for coil winding for electrical device such as a capacitor. • Counter measure part to cover the gap or fix part during the assembly process.	
ZSP8080 ZS8080B	Polyester	0.08	Acrylic	>5	Clear ● Black	
Characteristic	• Excellent electrical insulation, good adhesion and heat-resistant.			Application	• As insulation layers during final bandage for coil winding for electrical device such as a capacitor. • Counter measure part to cover the gap or fix part during the assembly process.	
ZSI9 Series	Polyimide	0.02 - 0.06	Silicone	>4	● Amber	
Characteristic	• Very high-temperature resistance up to 260°C and residue-free removability.			Application	• High-temperature masking during powder coating and galvanizing process. • Masking during SMT reflow process.	
ZSP9 Series	Polyester	0.06 - 0.08	Silicone	>4	Clear ● Green ● Red ● Black	
Characteristic	• Strong bonding to silicone surfaces, high-temperature resistance and residue-free removability.			Application	• Splicing tape for release liner during coating process in tape or label manufacturing. • High-temperature masking during the powder coating process.	
ZSMP6080BL ZSMP6113W / 6115W	MOPP	0.08 0.113	Natural Rubber	>4	● Blue ○ White	
Characteristic	• High tensile strength and low elongation. High adhesion to various substrates yet residue-free removability.			Application	• Used as temporarily holding tape for moving parts in appliances components such as freeze, air conditioning, washing machine, fax machines and printers. • Act as bundling tape due to its high bonding and tensile strength.	
ZSM3135	Filament	0.135	Synthetic rubber	>20	Translucent	
Characteristic	• Very high adhesion and tensile strength. • Good resistance to tearing.			Application	• Used as end taping in metal coil roll, as bundling during transportation. Also use as edge protection.	

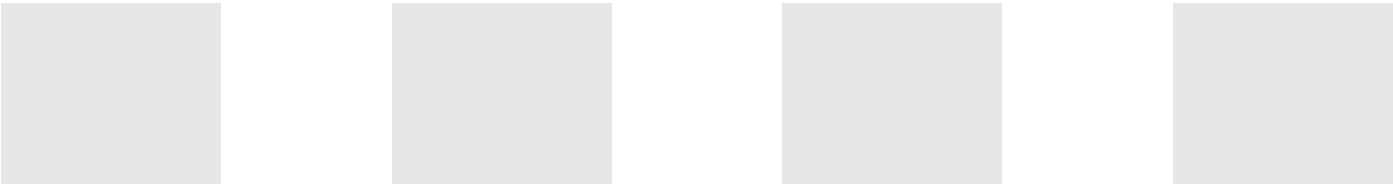
Product Assortment

Polyurethane Foam



Product Code	Density (kg/m3)	Compression Force Deflection Range (Typical) (kPa) Test Method: ASTM D3574 Test C @25% deflection	Thickness (mm)	Characteristic	Application
Z-ZC400	400	8-58 (32)	0.50, 0.60, 0.80, 1.00	Very soft series	Sealing gasket and cushion pad for handheld devices
Z-ZC320-200	320	7-35 (20)	2.00		
Z-ZC145	144	1.7-9.2 (5)	0.50, 0.70, 1.00		Sealing gasket and cushion pad for handheld and other electronics devices
Z-ZRC240	240	2-14 (13)	3.17, 4.78		
Z-SC400	400	35-83 (59)	0.50, 0.90, 1.20	Soft series	Sealing gasket and cushion pad for handheld devices
Z-MRC320	320	48-90 (69)	1.57, 2.36, 3.17	Medium softness series	Cushioning and impact absorption pad for general industry
Z-MRC240	240	27-55 (41)	4.78, 6.35, 9.53		
Z-HRC320	320	90-159 (125)	1.57, 2.36, 3.18	Hard series	Cushioning and gap filler for equipment
Z-HRC240-478	240	55-97 (76)	4.78		
Z-HC480-030	480	207-415 (311)	0.30		

*Standard length is 520mm, other sizes available upon request.



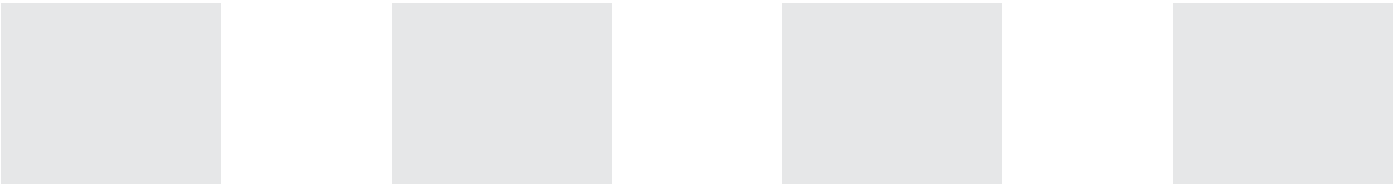
Product Assortment

Silicone Foam



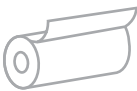
Silicone Foam

Product Code	Density (kg/m3)	Compression Force Deflection Range (Typical) (kPa) Test Method: ASTM D3574 Test C @25% deflection	Colour	Thickness (mm)	Characteristic	Application
ZK-260G	250	10	● Grey	4.78, 6.35, 9.53, 12.70	Super soft series	Gap filler for battery cell, elastic pad for conductive and EMI shielding solutions and cushion pad with low force.
ZK-260B			● Black	0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70		
ZK-300G	300	20	● Grey	0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70		
ZK-300B			● Black	0.60, 0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70		
ZK-350G	350	30	● Grey	0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70		
ZK-350B			● Black	0.60, 0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70		
ZM-300G	350	55	● Grey	0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70, 14.00	Medium to high firmness series	Cushion pad with medium & high resilience and elastic pad for conductive and EMI shielding solutions.
ZM-300B			● Black	0.60, 0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70		
ZM-400G	400	80	● Grey	0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70, 14.00		• Cushion pad with medium and high resilience • Elastic cushioning pad for conductive and EMI shielding solutions • Waterproof sealing pad / foam
ZM-400B			● Black	0.60, 0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70		Cushion pad with medium & high resilience, elastic pad for conductive and EMI shielding solutions and water sealing
ZM-500G	500	110	● Grey	0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70, 14.00		Cushion pad with medium & high resilience and elastic pad for conductive and EMI shielding solutions
ZM-500B			● Black	0.80, 1.00, 1.60, 2.39, 3.18, 4.78, 6.35, 9.53, 12.70		

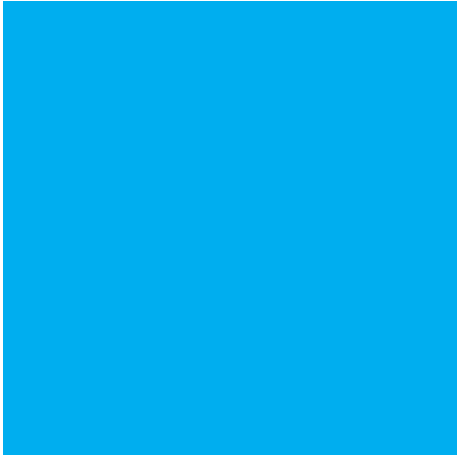


Product Assortment

Release Liner

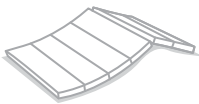


Release Liner

Item	Product Code	Colour	Thickness / Weight	Release Force (gf / in)	Sample
Polyester Film Release Liner	JPET Series	○ Clear ○ White ● Blue	25, 50, 75, 100µm	3 - 100	
Characteristic	• Uniform and consistent release force. • Significant reduction of paper dust on packaging lines. • Very even thickness profile and high tensile strength enable high die cut speed with consistent die cut quality.			Application	• Process liner in converting / die cut processes. As release liner use in label stock or adhesive tapes.
PE Coated Kraft Paper Release Liner	SKP Series	○ White ● Yellow	95gsm, 120gsm, 140gsm	3 - 40	
Characteristic	• Stable and wide range of release force Excellent dimensional stability.			Application	• Process liner in converting / die cut processes. As release liner use in label stock or adhesive tapes.
Polyester Film Fluorine Release Liner	FPET Series	Clear	75µm	5 - 15	
Characteristic	• Consistence and stable release force. • Excellent chemical solvents resistance.			Application	• Specialty release liner used with silicone adhesive.

Product Assortment

Thermal Pad



Thermal Pad

Product Code	Thickness (mm)	Thermal Conductivity W/(m·K)	Hardness Shore 00	Compressive Strength	Density (kg/m3)	Working Temperature °c	Characteristic	Application
Z-SR1000-110 Z-SR1000-115	0.5 ~ 0.8	1.0 - 1.5	30	≥8.0	≈ 2.4	-40 ~ 200	• Excellent thermal conductivity. • High compressibility, soft and elastic, suitable for low-pressure environment. • Excellent electrical insulation.	• Power supply equipment and vehicle battery • Mobile or 5G network communication equipment • Automotive electronic equipment • Consumer electronics
Z-SR1000-120		2.0	35		≈ 2.9			
Z-SR1000-130		3.0	30		≈ 3.2			
Z-SR1000-240 Z-SR1000-250		4.0 - 5.0	40	≥5.0	≈ 3.4			
Z-SR1000-260-E	0.5 ~ 5.0	6.0	25					
Z-SR1000-2150	1.0 ~ 3.0	15.0 - 20.5	50	N/A	≈ 2.9	-40 ~ 150		

*Available in ● Green ● Grey ● Pink ● Dark Grey

Product Assortment

Mica



Rigid Mica Sheet

Product Code	Description	Mica Content %	Bond Content %	Temperature Resistance		Heat Loss		Flexural Strength N/mm2	Water Absorption 24h / 23 °C %
				Continuous °C	Intermittent °C	at 500 °C %	at 700 °C %		
Z-B5662	Rigid Muscovite Mica Sheet	≥90	≤10	500	800	≤1	≤2	≥160	≤1
Z-J5662	Rigid Phlogopite Mica Sheet			700	1000			≥140	≤1.5
Characteristic	Standard			Application	Used as insulating parts electric toaster, hair dryer, electric iron, microwave oven, strip heater, baseboard heater, commutator, etc.				
Z-B5662-W	Low Smoke Rigid Muscovite Mica Sheet	≥92	≤8	500	800	≤1	≤1.5	≥120	≤2
Z-J5662-W	Low Smoke Rigid Phlogopite Mica Sheet			700	1000			≥100	≤2.5
Characteristic	Low bond content			Application	Used as insulating parts electric toaster, hair dryer, electric iron, microwave oven, strip heater, baseboard heater, commutator, etc.				
Z-B5662-H	High Bond Content Muscovite Mica Sheet	≥88	≤12	500	800	≤2	≤3	≥180	≤0.5
Z-J5662-H	High Content Rigid Phlogopite Mica Sheet			700	1000			≥160	≤1
Characteristic	High bond content, high density, high strength			Application	Used as insulating parts electric toaster, hair dryer, electric iron, microwave oven, strip heater, baseboard heater, commutator, etc.				
Z-B5662-G	Smooth Surface Rigid Muscovite Mica Sheet	≥90	≤10	700	1000	≤1	≤2	≥140	≤1.5
Characteristic	Smooth surface			Application	Used as insulating parts electric toaster, hair dryer, electric iron, microwave oven, strip heater, baseboard heater, commutator, etc.				

Product Assortment

Mica



Flexible Mica Sheet

Product Code	Description	Mica Content %	Bond Content %	Temperature Resistance		Heat Loss at 500 °C %
				Continuous °C	Intermittent °C	
Z-B5161	Full Flexible Muscovite Mica Sheet	≥90	≤10	500	700	≤3.5
Z-J5161	Full Flexible Phlogopite Mica Sheet			600	800	
Characteristic	Soft and reelable		Application	Used as insulating parts which have to be rolled for hair dryer, electric iron, microwave oven, electric heating rod, hair curler, etc.		
Z-B5162	Flexible Muscovite Mica Sheet	≥90	≤10	500	700	≤3
Z-J5162	Flexible Phlogopite Mica Sheet			600	800	
Characteristic	Soft and smooth, reelable		Application	Used as insulating parts which have to be rolled for hair dryer, electric iron, microwave oven, electric heating rod, hair curler, etc.		



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