



KM Silicone Seal

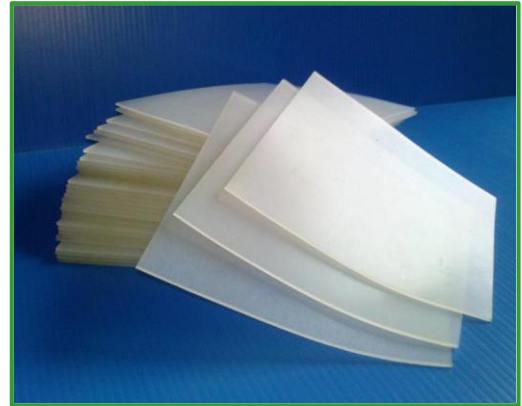
Preformed Silicone Seal Sheet for Weatherproofing

Material Description

KM Silicone Seal is a preformed silicone seal for weatherproofing applications. They are resistant to UV radiation and extreme temperatures and will not become brittle in cold or soften in heat.

KM Silicone Seal acts as vapor (air) control layer and water-resistive barrier system.

It is manufactured in accordance with ISO 9001 quality assurance system.



Key Features & Benefits

Performance

- **Silicone Durability** – KM Silicone Seal has long-term resistance to natural weathering
- **Low Modulus** – Extremely low modulus alternative to wet sealants
- **Flexible** – Maintains flexibility at transition areas and board joints
- **Permeable** – Vapor permeable thus allowing AWB system to breathe; not just the coated wall areas.

Application

- **Silicone Compatibility** – Compatible with silicone- based sealant and performance coatings.
- **Contact Verification** – Material is currently available in translucent white to allow seamless visual confirmation of continuous seal contact.

Composition

- Preformed elastomeric silicone rubber extrusion

Potential Applications

KM Silicone Seal is excellent as:

- Transition seal between differing and/or interfacing building materials, such as between partition board-to-board joints, joint between concrete to window aluminium frame
- Weatherproof Flexible flashing on openings with rough surfaces, sheathing joints and terminations
- Water- resistive barrier system between building expansion joints
- Leak-free transition/ flashing seal for silicone performance waterproofing coatings
- Seal pad at miter joint between aluminium extrusion

** Do contact our Sales Representative to review on technical applications.*

Colors Available

- KM Silicone Seal is available in Translucent White.



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Technical Performance

Technical Performance of KM Silicone Seal are typical physical property values as supplied and cured. These values are not intended for use in preparing specifications.

Property	Unit	Value	Test Method
Typical Properties – As Supplied			
Consistency		Elastomeric silicone rubber	
Specific Gravity	g / cc	1.5 ~ 1.80	ASTM D 297
Durometer Hardness, Shore A	points	10 ~ 45	ASTM D 2240
Thickness	mm	0.5 ~ 12	ASTM D 751
Tensile Strength	kgf / cm ²	25 ± 3	ASTM D 412
Withstanding Voltage	KV / mm	> 5	ASTM D 149
Flammability Standard	Rating	V-0	UL 94
Thermal Resistance	°C –in- 2 / W	0.25	ASTM D 5470
Service Temperature Range	°C	-50 ~ +200	EN 344
Thermal Conductivity	W / mK	1.2 ~ 2.5	ASTM D 5470
Typical Properties – Cured			
Elongation @ Break	%	≥ 350	ASTM D 412
Tear Strength	kgf / cm	≥ 22	ASTM D 624, Die C
Ageing Properties	°C, 24 hours	200	ASTM D 573
Durometer Hardness Change, Shore A	points	≤ ± 6	
Tensile Strength Change	%	≤ ± 28	
Elongation Change	%	≤ ± 20	

* Please consult our technical services for any enquiries and application concerns.

Packaging Information

KM Silicone Seal is available in Thickness of 0.5mm and 1mm.

Standard Width of 500mm, and Length 20-Meter

Custom sizes are available, on request.

Limitations

KM Silicone Seal is not intended for use:

- Where frequent abrasion or physical abuse may be encountered or for below grade applications

Material Safety, Handling and Storage

Customers considering the use of this material should review the latest Data Sheet (SDS) and label for material safety information, handling instructions, personal protective equipment (if necessary), and any special storage conditions required.

SDS are readily available upon request from any Two Nine Six O sales representative. Use of other materials in conjunction with this product may require additional precautions. Please review and follow the safety information provided by the manufacturer of other such material.