

# Sheet Rubber

Sheet Rubber Dimension : Thickness X Width X Reinforcement ply X Length

## NEOPRENE SHEET

Polymer : Chloroprene / ISO -ASTM Designation : CR



### GENERAL PROPERTIES

- Good weather-resistance
- Moderate resistance to petroleum-based fluids
- Good physical properties

### APPLICATIONS

Gasket making, Sound absorption & Sealing where moderate oil resistance is needed

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 50                       | 850              | 60                 | 450             | 0.90                      | 4.40              | -20-190     | -28-87 |
| 60                       | 1,000            | 70                 | 400             | 0.94                      | 4.60              |             |        |
| 70                       | 1,000            | 70                 | 300             | 0.94                      | 4.60              |             |        |
| 80                       | 1,000            | 70                 | 200             | 1.00                      | 4.90              |             |        |

## NITRILE SHEET (BUNA-N)

Polymer : Nitrile-Butadiene / ISO -ASTM Designation : NBR



### GENERAL PROPERTIES

- Excellent resistance to petroleum-based fluids
- Good physical properties

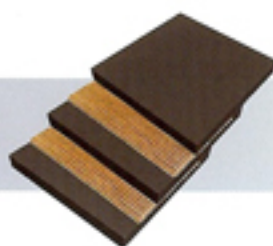
### APPLICATIONS

Gasket making, Sound absorption & Sealing where oil resistance is needed

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 60                       | 700              | 50                 | 300             | 0.98                      | 4.80              | -30-200     | -34-93 |

## CLOTH-INSERTED NEOPRENE SHEET

Polymer : Chloroprene / ISO -ASTM Designation : CR



### GENERAL PROPERTIES

- Excellent stretch and tear resistance
- Moderate resistance to petroleum-based fluids
- Good physical properties

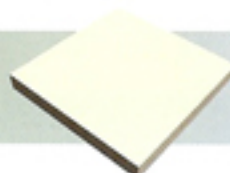
### APPLICATIONS

Gasket making where durability is needed

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Fabric weight<br>oz/yd <sup>2</sup> |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------------------------------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> |                                     |
| 60                       | 1,000            | 70                 | 500             | 0.98                      | 4.80              | Nylon 3.4                           |
| 60                       | 1,000            | 70                 | 500             | 0.96                      | 4.70              | Nylon 7.0                           |

## WHITE NITRILE SHEET

Polymer : Nitrile-Butadiene / ISO -ASTM Designation : NBR



### GENERAL PROPERTIES

- Excellent petroleum and animal fat resistance
- Good physical properties

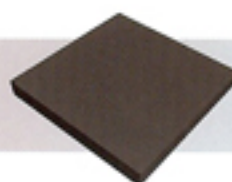
### APPLICATIONS

Food, Pharmaceutical, Cosmetic and other applications

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 60                       | 1,100            | 80                 | 700             | 0.96                      | 4.70              | -20-210     | -28-99 |

## EPDM SHEET

Polymer : Ethylene-Propylene-Diene-Monomer / ISO -ASTM Designation : EPDM



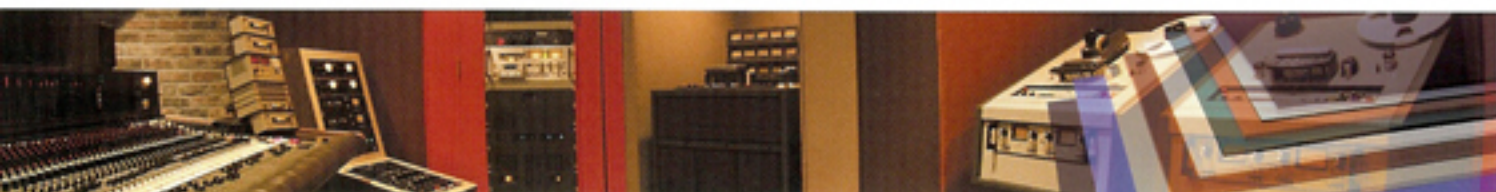
### GENERAL PROPERTIES

- Excellent ozone, chemical and aging resistance
- Good physical properties

### APPLICATIONS

Gasket making & Sealing where weather resistance is needed

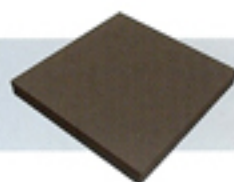
| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |         |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|---------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C      |
| 60                       | 800              | 55                 | 350             | 0.82                      | 4.00              | -20-230     | -28-110 |





## SBR SHEET

Polymer : Styrene-Butadiene / ISO - ASTM Designation : SBR



### GENERAL PROPERTIES

- Good physical properties

### APPLICATIONS

Wide variety of gasket, sealing & cushioning where medium oil resistance is required

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 50                       | 500              | 35                 | 350             | 0.98                      | 4.80              | -20~190     | -28~87 |
| 60                       | 500              | 35                 | 350             | 0.98                      | 4.80              |             |        |
| 70                       | 600              | 40                 | 350             | 1.00                      | 4.90              |             |        |
| 80                       | 450              | 32                 | 200             | 1.15                      | 5.60              |             |        |

## CLOTH-INSERTED SBR SHEET

Polymer : Styrene-Butadiene / ISO - ASTM Designation : SBR



### GENERAL PROPERTIES

- Good physical properties

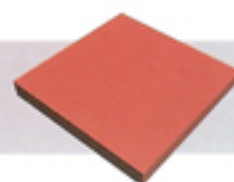
### APPLICATIONS

Gasket making where durability is needed

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Fabric weight      |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|--------------------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | oz/yd <sup>2</sup> |
| 60                       | 600              | 42                 | 300             | 0.98                      | 4.80              | Nylon 3.4          |

## RED SBR SHEET

Polymer : Styrene-Butadiene / ISO - ASTM Designation : SBR



### GENERAL PROPERTIES

- Good physical properties

### APPLICATIONS

Common gasketing application, such as water  
Not recommended for applications with oil

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 75                       | 700              | 50                 | 350             | 1.19                      | 5.80              | -20~180     | -28~82 |



## GUM SHEET (Tan Pure / Red Pure)

Polymer : Isoprene rubber / ISO · ASTM Designation : NR



### GENERAL PROPERTIES

- Excellent abrasion-resistance
- Excellent physical properties
- Good resistance to most acids
- Good resilience

### APPLICATIONS

Soft, highly abrasion resistant rubber sheet for gaskets, cushion and matting  
Not recommended for ozone or oil resistance

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 40(Floating)             | 2,000            | 140                | 600             | 0.64                      | 3.10              | -20-160     | -28-71 |
| 40(Non Floating)         | 2,500            | 175                | 700             | 0.72                      | 3.50              | -20-160     | -28-71 |

## SKIRTBOARD RUBBER (Narrow Skirtboard Width : 3"-12")

Polymer : Styrene-Butadiene & Isoprene rubber / ISO · ASTM Designation : SBR/NR



### GENERAL PROPERTIES

- Excellent abrasion-resistance
- Excellent weather-resistance

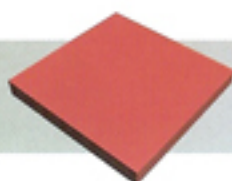
### APPLICATIONS

Conveyor skirting, chute-liner, blast curtains, mounting pads & chassis padding

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 60                       | 1,000            | 70                 | 350             | 0.96                      | 4.70              | -25-175     | -30-80 |

## SILICONE SHEET

Polymer : Polysiloxane / ISO · ASTM Designation : SR



### GENERAL PROPERTIES

- Excellent resistance to heat and cold
- Good physical properties

### APPLICATIONS

Gasket and sealing for hot and cold temperature

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |         |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|---------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C      |
| 60                       | 1,000            | 70                 | 300             | 0.98                      | 4.80              | -103-400    | -75-204 |





## BUTYL SHEET

Polymer : Isobutylene-Isoprene / ISO - ASTM Designation : IIR



### GENERAL PROPERTIES

- Good ozone and weather resistance
- Good gas permeability resistance
- Good physical properties

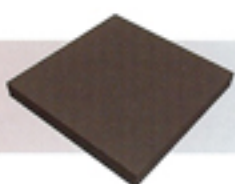
### APPLICATIONS

Gasket and sealing applications where gas permeability resistance is required

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |         |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|---------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C      |
| 60                       | 700              | 50                 | 350             | 0.96                      | 4.70              | -40-250     | -40-120 |

## HYPALON SHEET

Polymer : Chlorosulfonated polyethylene / ISO - ASTM Designation : CSM



### GENERAL PROPERTIES

- Excellent water-proofing functions
- Excellent ozone & weather resistance
- Excellent physical properties

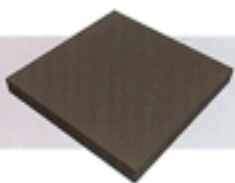
### APPLICATIONS

Gasket, sealing and roofing for waterproof effect

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 60                       | 1,200            | 90                 | 300             | 0.86                      | 4.20              | -40-180     | -40-80 |

## VITON SHEET

Polymer : Fluoro elastomer / ISO - ASTM Designation : FKM / FPM



### GENERAL PROPERTIES

- Excellent resistance to heat and oil
- Good physical properties

### APPLICATIONS

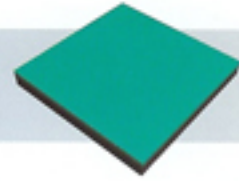
Gasket, sealing, O-ring & packing where heat, petroleum & chemical resistance are needed

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |         |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|---------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C      |
| 80                       | 1,600            | 110                | 200             | 1.30                      | 6.35              | -15-450     | -25-230 |



## ANTI-STATIC SHEET

Polymer : Nitrile-Butadiene / ISO - ASTM Designation : NBR



### GENERAL PROPERTIES

- Excellent anti-static effect
- Various colors available
- Good physical properties

### APPLICATIONS

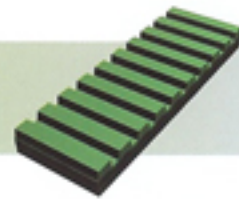
Gasket, sealing, floor matting for computer room & Laboratory etc.

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 65                       | 1,700            | 120                | 350             | 0.82                      | 4.00              | -20~190     | -28~87 |

■Electric Resistance : Cover (10<sup>11</sup>~10<sup>12</sup> Ω/cm<sup>2</sup>), Bottom (10<sup>11</sup>~10<sup>12</sup> Ω/cm<sup>2</sup>)

## CORRUGATED RUBBER MATTING

Polymer : Isoprene rubber / ISO - ASTM Designation : NR



### GENERAL PROPERTIES

- Excellent non-slip functions
- Various colors (Black, Green, Blue, Red etc)
- Good physical properties

### APPLICATIONS

Matting, cushion where non-slip function is required  
Footpath matting on construction site

| Durometer<br>(Shore A±5) | Tensile Strength |                    | Elongation<br>% | Approx.Weight(1/8",3.2mm) |                   | Temp. Range |        |
|--------------------------|------------------|--------------------|-----------------|---------------------------|-------------------|-------------|--------|
|                          | PSI              | kg/cm <sup>2</sup> |                 | lbs/ft <sup>2</sup>       | kg/m <sup>2</sup> | °F          | °C     |
| 60                       | 700              | 50                 | 450             | 0.94                      | 4.60              | -20~190     | -28~87 |

### Sheet Rubber Size

| Thickness |           | Width    |              | Standard Length |     |
|-----------|-----------|----------|--------------|-----------------|-----|
| Inch      | mm        | Inch     | mm           | FT              | M   |
| 1/32~1/8  | 0.8~3.2   | 36 or 48 | 900 or 1,220 | 100             | 30  |
| 3/16~1    | 4.8~25.4  |          |              | 50              | 15  |
| 1-1/4~2   | 32.0~50.8 |          |              | 9               | 2.7 |

### Sheet Rubber Tolerances

| Thickness                        | Tolerance | Thickness                       | Tolerance |
|----------------------------------|-----------|---------------------------------|-----------|
| 1/32" to but not including 1/16" | ±.012"    | 9/16" to but not including 3/4" | ±.063"    |
| 1/16" to but not including 1/8"  | ±.016"    | 3/4" to but not including 1"    | ±.093"    |
| 1/8" to but not including 3/16"  | ±.020"    |                                 |           |
| 3/16" to but not including 3/8"  | ±.031"    | Width                           |           |
| 3/8" to but not including 9/16"  | ±.047"    | 36" and over                    | ±1.00"    |

■Tolerances conform to RMA standards, Durometer ±5 points.

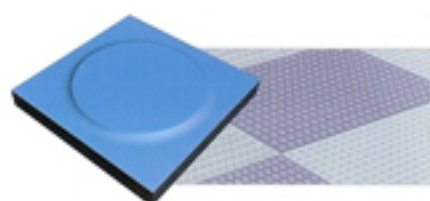






# Rubber Tile

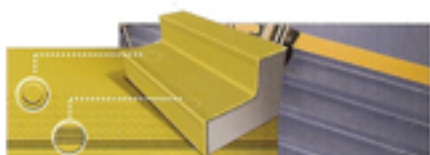
Rubber flooring tile for lobby, corridor of airport, terminal, subway station, hospital, sports center and school etc.



## COIN

- Excellent abrasion-resistance
- Effective non-slip functions & Good sound absorption

| Size (mm)             | Thickness (mm) |
|-----------------------|----------------|
| 500X500 / 1,000X1,000 | 3.0 / 4.0      |



## STAIRS TREADS

- Excellent abrasion-resistance
- Excellent non-slip functions

| Size (mm)                         | Thickness (mm) |
|-----------------------------------|----------------|
| 480X1,230 / 480X1,530 / 480X1,830 | 3.0 / 5.0      |



## PLAIN

- Suitable for the place where wheels scratch easily
- Good abrasion-resistance & sound absorption with various colors
- Easy cleaning & maintaining functions

| Size (mm)             | Thickness (mm) |
|-----------------------|----------------|
| 500X500 / 1,000X1,000 | 2.0 / 3.0      |



## MEGA-STONE

- Suitable for the place where quietness is required (Library & Classroom)
- Good non-slip & comfortable walking design with safety

| Size (mm)             | Thickness (mm) |
|-----------------------|----------------|
| 500X500 / 1,000X1,000 | 2.0 / 3.0      |



# Waterproof Sheet

Waterproof sheet is suitable for building roof, landfill, fountain, fish farm, reservoir and pond of golf links etc.

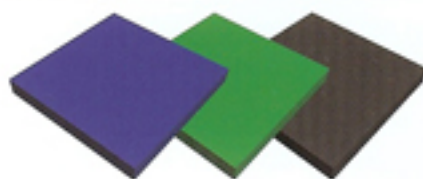


## PRODUCT TYPE

- TPE(TPO) Sheet
- EPDM Sheet
- CSM(Hypalon) Sheet

## GENERAL PROPERTIES

- Excellent durability, Good ozone & weather resistance
- Excellent resistance of heat and cold
- Environmental-friendly product



| Type     |      | Thickness (mm)                     | Width (mm)  | Length (mm)     |
|----------|------|------------------------------------|-------------|-----------------|
| TPE(TPO) | Roof | 1.0 / 1.2 / 1.5 / 2.0 (-10%, +15%) | 2,000 (-1%) | 20,000 (+Free)  |
|          | Pond | 1.0 / 1.2 / 1.5 / 2.0 (-10%, +15%) | 6,500 (-1%) | 100,000 (+Free) |
| EPDM     |      | 1.5(-10%, +15%)                    | 1,200 (-1%) | 20,000 (+Free)  |
| CSM      |      | 1.5(-10%, +15%)                    | 2,000 (-1%) | 20,000 (+Free)  |

■ ( ) : tolerances.

# Block Matting

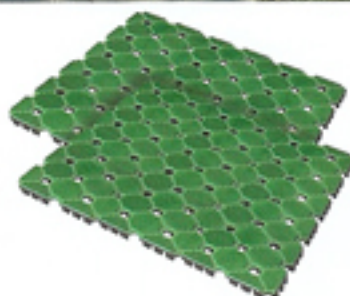
Matting for lawn-protection, warehouse work stations, machine shop work areas, Non-slip matting for vessel deck & porch



## GENERAL PROPERTIES & COLORS

- Excellent drainage & Good physical properties Black, Blue, Green colors

| Size (mm)           | Thickness (mm) |
|---------------------|----------------|
| 70 X 70 / 500 X 500 | 15.0           |





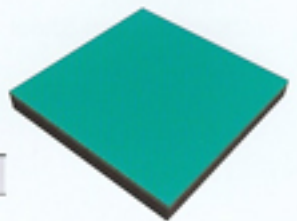
# Flame Resistant Matting

Flame resistant matting is suitable for flooring of train, bus, laboratory etc.



## GENERAL PROPERTIES

- Excellent flame-retarded matting passed official testing (U.K. Warrington fire research, Korean Railroad research etc)
- Various colors with good design



| Thickness (mm) | Width (mm)   | Standard Length (mm) |
|----------------|--------------|----------------------|
| 2.0 / 3.0      | 900 or 1,220 | 15,000               |

# Thermoprene (TPE/TPO)

TPE(TPO) is rubberlike compound used for automotive part, construction, toy, household electrical appliance parts & grip etc.

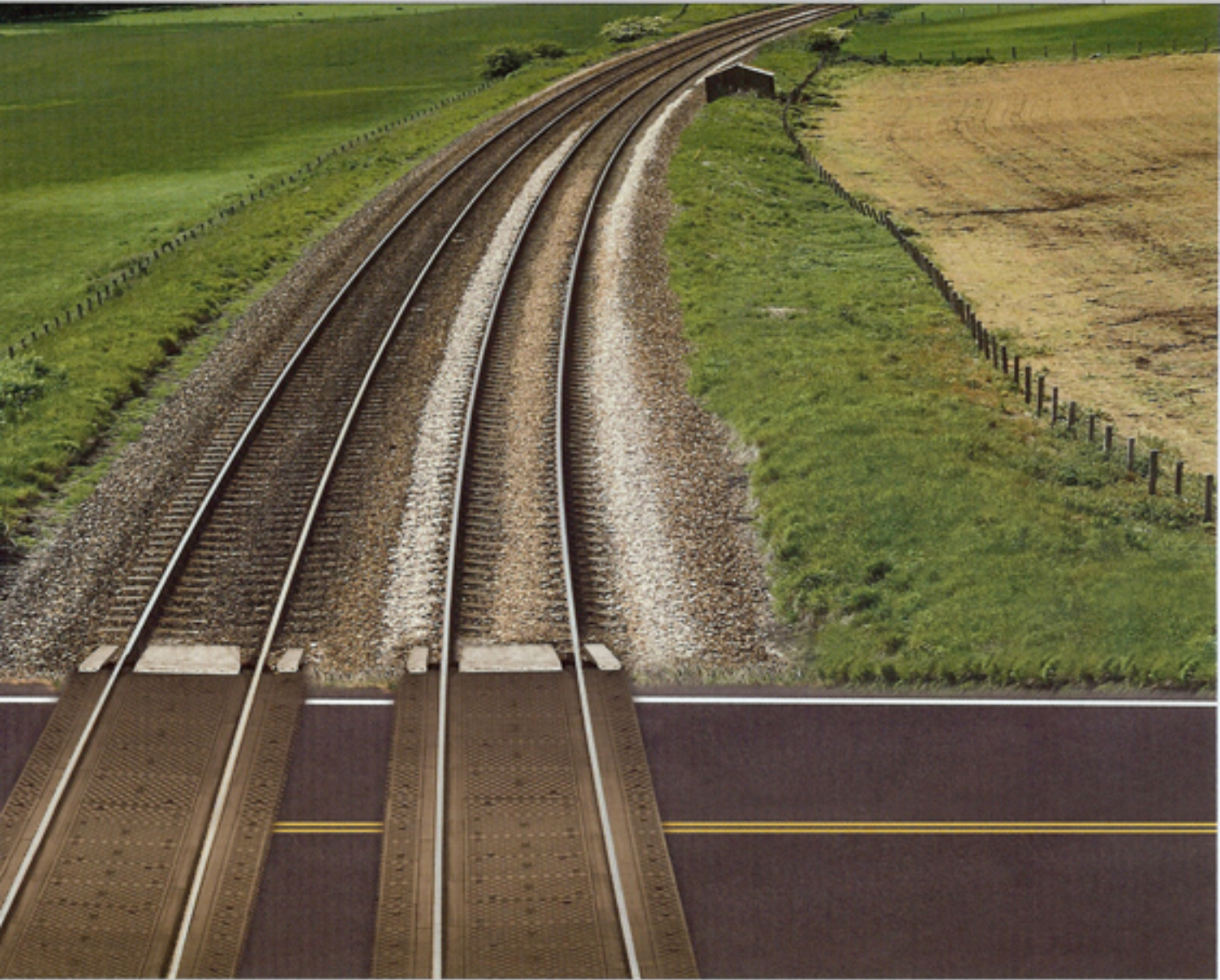


## GENERAL PROPERTIES

- Recyclable & Light weight
- Excellent resistance to Heat and Cold ( -60°C ~ 130°C / -75°F ~ 260°F )





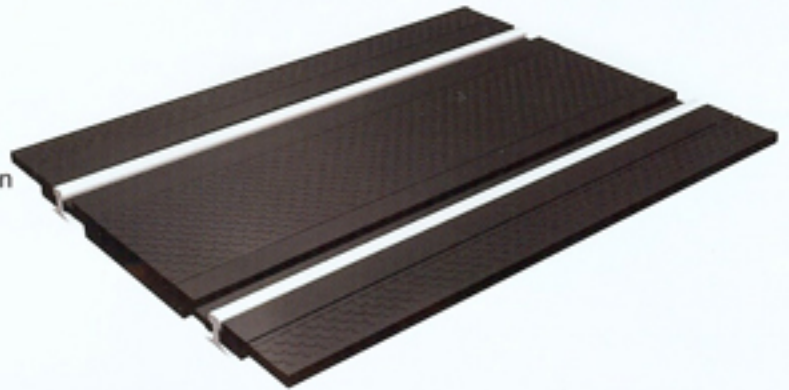


# Railroad Rubber Pad

Railroad Rubber Pad is comfortable level crossings to railway system which provides an attractive, slip-resistant crossing surface for pedestrians and vehicles.

## GENERAL PROPERTIES

- Easy and fast installation
- Excellent durability and maintenance
- Effective non-slip functions & Good sound absorption
- Good compatibility with all type of rail and sleeper combinations



| Wooden Type     |                 | PC Type         |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Inner Panel(mm) | Outer Panel(mm) | Inner Panel(mm) | Outer Panel(mm) | Inner Upper(mm) | Outer Upper(mm) |
| 1,834X742X178   | 1,834X488X178   | 1,250X744X98.4  | 1,250X450X78.4  | 1,250X1,040X75  | 1,250X310X75    |