

# **SPECIAL PURPOSE TECHNICAL RUBBER SHEETS**

## **VIBRATION RESISTANT RUBBER SHEETS**

Sound proofing rubber sheets are special purpose articles. The main purpose is reducing the mechanical and sound vibrations.

Sound proofing rubber sheets are based on synthetic butadiene rubber and a special chemical (increasing the density of the sheets). Some of the characteristics are good resistance to thin acids, bases and salts, low resistance to atmosphere conditions and low physics and mechanical characteristics.

According to hardness Shore A of the sheets are two types:  
Temperature range of work  $-10$  до  $+70$ °C  
Color black.

Technical characteristics of the sound proofing rubber sheets are:

- Both sides smooth
- All rubber (without textile)
- Density, g/cm<sup>3</sup> not less than 2.0
- Hardness Shore A – 60-70

The tolerances of the dimensions are according to the requirements of ISO 3302

The shelf period of rubber sheets is 1 year. The stores determined for rubber sheets storage must be roofed, dry and protected from direct sun-light. Keeping chemicals (benzene, spirit, oils, etc) near to the stored units is not allowed. The sheets should be stored in their original packing.

## **ABRASIVE RESISTANT RUBBER**

## **SHEETS**

The abrasive resistant rubber sheets are special purpose articles based on SBR and BR-cis elastomers. The basic characteristics are good resistance to abrasion and high physics and mechanical characteristics. Temperature range of work  $-10$  до  $+70$ °C  
Color black.

Rubber sheets can be produced according to the customer requirements:

- all rubber (rubber sheets without textile)
- "sandwich type" – with one, two, three or four reinforcing textile insert/inserts, cotton or polyester.

According to the surface appearance:

- both sides smooth
- top side smooth; back side – with textile impression (imprinted pattern of textile)
- top and back side -- with textile impression (imprinted pattern of textile)

The tolerances of the dimensions are according to the requirements of ISO 3302.

Basic physics and mechanical characteristics are:

- Density, g/cm<sup>3</sup> - 1.20-1.25
- Hardness Shore A – 60-70
- Tensile strength, MPa – not less than 10
- Elongation at break, % - not less than 400
- Abrasion resistance, mm<sup>3</sup> – not more than 180

The shelf period of rubber sheets is 1 year.

The stores determined for rubber sheets storage must be roofed, dry and protected from direct sun-light. Keeping chemicals (benzene, spirit, oils, etc) near to the stored units is not allowed. The sheets should be stored in their original packing.

## **CONDUCTIVE RUBBER SHEETS**

Conductive rubber sheets are special purpose articles. The basic characteristics are low electrical resistance – not more than  $10\text{K}\Omega/\text{cm}$  and high physics and mechanical characteristics.

Conductive rubber sheets are produced of compounds based on IR-cis and NBR elastomers and a special conductive chemical.

Temperature range of work  $/-10$  до  $+70/^\circ\text{C}$

Color black.

Technical characteristics of the sound proofing rubber sheets are:

- Both sides smooth
- All rubber (without textile)

Dimensions of rubber sheets are:

- Thickness, mm – 1.2
- Width, mm – from 900 to 1200
- Length, mm – from 3000 to 10 000

The tolerances of the dimensions are according to the requirements of ISO 3302

Basic physics and mechanical characteristics are:

- Density,  $\text{g}/\text{cm}^3$  – 1.20-1.26
- Hardness Shore A – 65-75
- Tensile strength, MPa – not less than 10
- Elongation at break, % – not less than 400
- Electrical resistance,  $\text{K}\Omega/\text{cm}$  – not more than 10

The shelf period of rubber sheets is 1 year. The stores determined for rubber sheets storage must be roofed, dry and protected from direct sun-light. Keeping chemicals (benzene, spirit, oils, etc) near to the stored units is not allowed. The sheets

should be stored in their original packing.

### **ACID- AND BASE RESISTANT**

Rubber sheets EPDM are special purpose articles based on EPDM elastomer. The basic characteristics are good water resistance, resistance to acids and bases and good resistance to atmosphere conditions.

Temperature range of work  $-10$  до  $+120$ °C

Color black.

EPDM rubber sheets are produced all rubber (without textile).

According to the surface appearance:

- both sides smooth
- top side smooth; back side – with textile impression (imprinted pattern of textile)

The tolerances of the dimensions are according to the requirements of ISO 3302. Basic physics and mechanical characteristics are:

- Density, g/cm<sup>3</sup> - 1.15-1.25
- Hardness Shore A - 60-70
- Tensile strength, MPa - not less than 7
- Elongation at break, % - not less than 250

The shelf period of rubber sheets is 1 year. The stores determined for rubber sheets storage must be roofed, dry and protected from direct sun-light. Keeping chemicals (benzene, spirit, oils, etc) near to the stored units is not allowed. The sheets should be stored in their original packing.

### **ACID RESISTANT RUBBER SHEETS**

Acid resistant rubber sheets are special purpose articles based on IR-cis and BR-cis elastomers.

The basic characteristics are good resistance to high concentrated HCl and CH<sub>3</sub>COOH at normal temperature. Acid resistant rubber sheets are not resistant to high concentrated H<sub>2</sub>SO<sub>4</sub>. Color black.

Technical characteristics of the sound proofing rubber sheets are:

- Both sides smooth
- All rubber (without textile)

The tolerances of the dimensions are according to the requirements of ISO 3302

Basic physics and mechanical characteristics are:

- Density, g/cm<sup>3</sup> - 1.20-1.30
- Hardness Shore A - 65-80
- Tensile strength, MPa - not less than 10
- Elongation at break, % - not less than 200

The shelf period of rubber sheets is 1 year. The stores determined for rubber sheets storage must be roofed, dry and protected from direct sun-light. Keeping chemicals (benzene, spirit, oils, etc) near to the stored units is not allowed. The sheets should be stored in their original packing.

### **OIL RESISTANT RUBBER SHEETS**

Rubber sheets CR are special purpose articles based on CR elastomer. The basic characteristics are good water resistance, average resistance to oils and good resistance to atmosphere conditions.

Temperature range of work /-10 до + 80/°C  
Color black.

Rubber sheets can be produced according to the customer requirements:

- all rubber (rubber sheets without textile)
- "sandwich type" - with one, two, three or

four reinforcing textile insert/inserts, cotton or polyester.

Surface appearance - both sides smooth. The tolerances of the dimensions are according to the requirements of ISO 3302.

Basic physics and mechanical characteristics are:

- Density, g/cm<sup>3</sup> - 1.45-1.55
- Hardness Shore A - 60-70
- Tensile strength, MPa - not less than 7
- Elongation at break, % - not less than 250

The shelf period of rubber sheets is 1 year. The stores determined for rubber sheets storage must be roofed, dry and protected from direct sun-light. Keeping chemicals (benzene, spirit, oils, etc) near to the stored units is not allowed. The sheets should be stored in their original packing.

## **OIL RESISTANT RUBBER SHEETS**

Rubber sheets NBR are special purpose articles based on NBR elastomers.

The basic characteristics are good resistance to oils and fuels at temperature 70°C.

Color black.

Rubber sheets can be produced according to the customer requirements:

- all rubber (rubber sheets without textile)
- "sandwich type" - with one, two, three or four reinforcing textile insert/inserts, cotton or synthetic .

According to the surface appearance:

- both sides smooth
- top side smooth; back side - with textile impression (imprinted pattern of textile)
- top and back side -- with textile impression (imprinted pattern of textile)

The tolerances of the dimensions are

according to the requirements of ISO 3302.  
Basic physics and mechanical characteristics are:

- Density, g/cm<sup>3</sup> - 1.30-1.40
- Hardness Shore A - 65-75

The shelf period of rubber sheets is 1 year.  
The stores determined for rubber sheets storage must be roofed, dry and protected from direct sun-light. Keeping chemicals (benzene, spirit, oils, etc) near to the stored units is not allowed. The sheets should be stored in their original packing.