

<b>Polish Chemicals And Rubber</b>	<b>Technical Export Conditions</b>	<b>WTO-2/02</b>
	<b>Rubber carpets</b>	Page 1 / 4

**1. Goal**

These technical export conditions concern the rubber carpets with ribbed upper surface, the bottom surface can be smooth or with textile impression. Rubber carpets can be strengthened by textile plies.

**2. Application**

Rubber carpets can be used in commercial and industrial buildings. They cannot be used under activity of sun light or ozon.

**3. Types of rubber carpets**

Depending on the kind of ribbed upper surface, the following rubber carpets can be produced:

RW – fine (*small*) rib

RS – wide rib

RM – “coin” (or “*pastille*”) rib

**4. Kind of rubber material**

Depending on the kind of the rubber material used for production, following types can be offered:

Z – ordinary

O – oil-resistant

E – electro-conducting

**5. Colours of rubber carpets**

Depending on the colour and production technology, following types can be produced:

C – black

B - colourful (small differences in shade of the same colour are allowed )

<b>Polish Chemicals And Rubber</b>	<b>Technical Export Conditions</b>	<b>WTO-2/02</b>
	<b>Rubber carpets</b>	Page 2 / 4

#### 6. Dimensions and tolerances of rubber carpets RW (small rib) and RS (wide rib)

Thickness mm		Width mm		Length m	
3	± 0,5	1 000 1 100 1 200 1 300	± 30	10	± 0,1
3,5					
4					
5					
6					
8				5	± 0,05

*It is possible to produce rubber carpets with other dimensions and tolerances upon additional agreement between Producer and Customer*

#### 7. Dimensions and tolerances of rubber carpets with RM rib ("coin" rib)

Thickness mm		Width mm		Length m	
3,2	± 0,5	1 450	± 10	10 oder 15	± 0,1
4,0					

*It is possible to produce rubber carpets with other dimensions and tolerances upon additional agreement between Producer and Customer*

#### 8. Requirements of rubber used for production of rubber carpets - acc. to Table 1

The rubber carpets are produced as slow-burning material, acc. to Standard PN-B-02854 (meets also Standards ASTM E648-78, DIN 4102.14) for "Evaluation of properties during flame spreading on surfaces of rubber carpets" (High Technical Institute in Szczecin: Faculty of Marine Technic and Shipbuilding)

The rubber carpets are classified as inflammable products acc. to Standard BN-80/3601-02, which refers to the checking the resistance of non-metallic materials for ship production (High Technical Institute in Szczecin: Faculty of Marine Technics and Shipbuilding)

For rubber carpets with "coin" rib the hygienic Certificate No. 93/PB/251/155/96 was issued, which refers to the application of carpets in production halls, warehouses, service rooms, industrial selling outlets, wardrobes, kitchens and canteens (The Institute of Marine and Tropical Medicine in Gdynia)

For the electro-insulating rubber carpets, the Certificate No. 13/01 – Enclosure to Standard DTB 042-8790/6-6-3-35, was issued. (prepared acc. to the Standard PN-92/E-05203 "Protection against static electricity. Materials and products in zones and buildings of explosion hazard. Test-methods of electric resistance und cross resistance" – High Technical Institute in Szczecin, Electric Dept, Faculty of High Voltage and Electric Technology)

<b>Polish Chemicals And Rubber</b>	<b>Technical Export Conditions</b>	<b>WTO-2/02</b> Page 3/4
	<b>Rubber carpets</b>	

### 9. Separation resistance between rubber and textil plies

- for rubber carpets of type Z – min. 1,0 kN/m
- for rubber carpets of type O – min. 0,5 kN/m

### 10. Not-allowed production errors – within section of 1 m

Error	Not-allowed parameters
Blisters	over 3 with diameter over 3 mm
Rib not complete	On the surface over 50 mm <sup>2</sup>
Short cast of rib	over 4 of the length of more than 8 mm and depth of more than 0,8 mm
Foreign bodies	of diameter over 0,5 mm

### 11. Packing

Rubber carpets are rolled into a roll of equal edges, with upper (ribbed) surface inside or outside – acc. to agreement with the customer. Carpets should be wrapped by a cord. Subject agreement with Customer, rolls can be put vertically on a wooden pallet of 120 x 80 cm size. Than rolls are covered with stretch-foil and secured around with a band, so they make, together with a pallet, a stable and compact packing unit.

Other packing methods can be also implemented, upon agreement between Seller and Customer.

### 12. Changes in the text of this document, in comparison with previous version.

One point concerning marking of the goods was cancelled. Marking of the goods should be each time agreed with the Customer.

The physical and chemical properties of rubber carpets and testing methods were updated in Table 1.

Information about the issued Certificates was also involved

Polish Chemicals And Rubber	<b>Technical Export Conditions</b>	WTO-2/02
	<b>Rubber carpets</b>	Page 4 / 4

Tabelle 1

Properties	Typ								Test-methode acc. to:
	RW RS				RM				
	Z + E	Z			O	Z+E	O		
Hardness, °ShA (H)	65±5	65±5	70±5	70±5	80±5	65±5	75±5	75±5	PN-80/C-04238
Tensile strength (TS <sub>b</sub> ), MPa, min	4	3	4	3	5	5	5	5	PN-ISO 37
Ageing in air at. 70 °C after 72 h (SC)									
Δ TS <sub>b</sub> , %, max	±30	±30	±30	±30	±30	±30	±30	±30	PN-ISO 188
Δ H, °ShA, max	±10	±10	±10	±10	±10	±10	±10	±10	
Brittleness temperature (T <sub>k</sub> ), °C, max	-30	-30	-30	-30	-30	-30	-30	-30	PN-79/C-04237 sheet.1
Density ( ρ ), Mg/m <sup>3</sup> , max	1.45 <sup>x</sup>	1.65	1.45 <sup>x</sup>	1.65	1.45 <sup>x</sup>	1.35	1.55	1.55	PN-ISO 2781+AC1:1996
Oil-resistance in oil IRM 903 at 70°C after 72 h (ΔV), %, max.	-	-	-	-	-	+30	-	+30	PN-ISO 1817

x – for rubber of type B - max 1,65 Mg/m<sup>3</sup>.