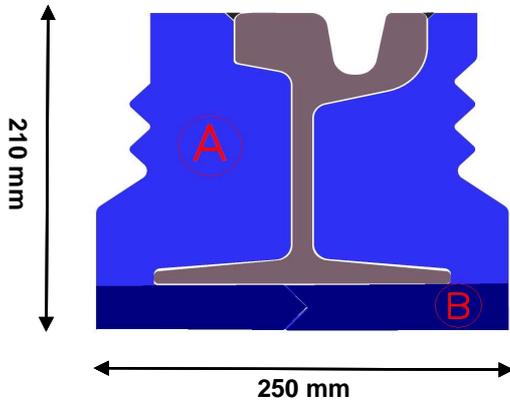


TECHNICAL DATA

Protrack - Set High

ISOLGOMMA
***** insulation technology

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Description

The profiles consist of granulated rubber SBR (Styrene Butadiene Rubber) and / or selected EPDM (Ethylene Propylene Diene Monomer) and fibers. The production process is carried out in cold using as glue the polyurethane.

Thanks to the production process of Isolgomma, the profiles are composed of two different densities: the top (A) and the bottom (B). In this way, you get a greater elasticity of the slab, thereby increasing the attenuation, while the upper part of the profile is more rigid to minimize the movement of rail.

Advantages of System

The profiles are used in the construction of systems for rail and tram tracks with the following functions:

- as processing aids in environmental protection from the noise and vibration;
- against corrosion by stray currents;
- to insulation eletrically binary;
- to preserve the rail - road surface system.

PHYSICAL CHARACTERISTICS	Unit	Value	Tolerance
Thickness and shape	dependent on the type of rail		
Length	400 ÷ 1200 mm	750	± 5%
Density (A)	kg/m ³	900	± 5%
Density (B)	kg/m ³	900	± 5%
Colour		black	

TECHNICAL CHARACTERISTICS	Norm	Value	Tolerance
Water absorption	DIN 52103/A	< 5%	
Freezing	DIN 52104/B	< 1%	
Permanent deformation	UNI 10570	$\Delta h < 5\%$	
Elongation	DIN 53455	$\Delta A > 50\%$	
Hardness	ASTM D 2240	~ 70 Shore A	± 10%
Eletrical resistivity (dry)	UNI 5572	$> 10^6 \Omega \times \text{cm}$	
Fire resistance	DIN 4102	B2	
Stiffness characteristic		62 MN/m/ml-rotaia	± 10%

HEALTH & SAFETY

The product and the used rubber granules don't contain dangerous and toxic materials in accordance with the provisions of the "Implementation of Directive 2000/33/CE". It's not subject to the obligations settled in Directive 67/648/CEE.

The suggestions and technical information given above represent our knowledge regarding the properties and the product's uses. ISOLGOMMA reserves the right to modify or update this data without prior notice. This document is the property of ISOLGOMMA. All rights are reserved.