INSULATION / VIBRATION DAMPING
RUGRAN ST - polyurethane-bound rubber granulate

RUGRAN	Thickness	Weight
ST 100	10 mm	
ST 150	10 mm	730-900 kg/m³
ST 200	10 mm	

Product description

Rugran ST is an polyurethane-bound rubber granulate strips, used as insulation against air and contact noises, and as thermal insulation
Rugran ST has a black colour.

Properties

- Rugran ST is chemically neutral, does not rot, is free of fungi and contains no environmentally unfriendly substances
- Flammability classification B2 according to DIN 4102
- Highly resistant to aging

Application

Contact sound insulation in a large number of architectural applications, such as for instance a decoupling between walls, floors and vaults. Passive vibration insulation with railroad tracks, crane tracks, air-conditioning installations etc.
Used as a core material in sandwich constructions, both on wood and metal

Processing

Depending on the application, the product is either laid loosely, or glued with TEROKAL- 2444 contact glue (approx. 300 g/m²) or with BARYVIBRO 607
2-component glue (approx. 1.0 kg/m²)

Dimensions

Roll width   : 100 – 150 – 200 mm
Thickness : 10 mm (standard)
Roll length : 10,000 mm
Other dimensions and thicknesses available on request

Mechanical properties

Material strength at 10 mm thickness:
• Tensile strength: min. 0.6 N/mm² (ISO 1798)
• Elongation if broken: 60% (ISO 1798)
• Shearing resistance: 5 N/mm²
• Indentation at 1.1 N/mm² load (deflection): approx. 18%
• Density: 730 – 900 kg/m³
• Temperature range for material warping: -30°C to 80°C
• Fire resistance: Class B2 (DIN 4102 –1)

Thermal properties

Thermal conductance coefficient 0.14 W/mK in conformity with DIN 52612
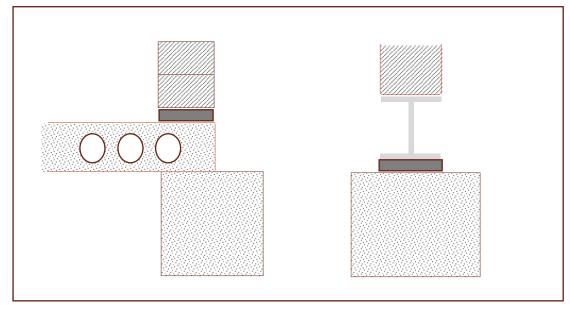Temperature resistance from –120 to +300°C

Acoustic properties

Contact noise improvement on application as insulation under a cement-finished floor of 240 kg/m2 = 23 dB (in conformity with DIN 4109)

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Schematic diagram