



RP BONDED POLYURETHANE FOAM

RP10...RP200 are flexible polyurethane foams (PU) made from various post-industrial and/or post-customer recycled and sorted colourful polyurethane foam granulates. This soft polyurethane foam is intended for control (absorption) of air borne noise and it is designed to full fill requirements of standard FMVSS-302 (ISO 3795) for transport and automotive industry. The product also has a very good acoustical performance. This foam product can also be used as a spacing layer in composite materials for example between two barrier mat layers to provide more efficient sound isolation properties.

RP refers to absorption material and the number indicates the thickness in mm. For example, RP20 1000x2000mm means a 20mm thick absorption sheet sized 1000x2000mm. RP is bonded foam made of recycled post-industrial and/or post-consumer PU foam material.

LRP20 1000x2000mm means the same material as above, but it has a self-adhesive backing on one side with a release paper. The L at the beginning refers to the self-adhesive + release paper.

DIMENSIONS

Foam can be delivered is sheets, 1000x2000mm as a standard. Die cut and waterjet cut parts are available on request. General dimension tolerances according to NMC General tolerances.

GENERAL PROPERTIES

| PROPERTY | UNITS | TYPICAL VALUES |
|----------------------------|---|----------------|
| Composition | Bonded PU foam, based on recycled material | |
| Colour | Variable, the colour of the granulates varies | |
| Circular carbon content | % | Approx. 95 |
| Recyclability | % | 100 |
| Density | kg/m ³ | 70 - 200 (*) |
| Density tolerance, block | % | ± 20 |
| Working temperature | °C | - 30 ... + 110 |
| Fire resistance, FMVSS 302 | Fulfil (yes/no) | Yes |

* RP Bonded foam product with a density of 130 kg/m³ is available with mold protection (HS-grade). According to the EU Biocides Regulation (528/2012) is informed that this HS-grade product contains the biocidal product pyriithione zinc, an antifungal additive used to help maintain appearance, physical properties and prolong the service life of this product.

Note: This datasheet is for information only and will not be updated regularly.

Annotation: This material and technical information has been received from NMC Cellfoam's vendor who is the manufacturer or distributor of these materials. These values are typical values. The information contained herein reflects results of tests carried out objectively and given in good faith. They do not imply a commitment on our or our vendor's part and are subject to change. The choice of these materials and products will have to be validated by relevant tests and experiments representative of use at the end usage. This information is based on our actual knowledge. However, it does not constitute a guarantee of our or the manufacturer's product's characteristics and does not engage in any case our liability. This information on the product is presented to our and our vendor's best knowledge.

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