

RUTEC® PUR Granules R5000

PRODUCT DESCRIPTION

RUTEC R5000 consists of a highly elastic *polyurethane* which has excellent wear properties.

TECHNICAL DATA

Features	Testing according to	Property value
Polymer		Polyurethane
Color		Colorful
Specific weight	DIN 53508	$\pm 1.25 \text{ g/cm}^3 \pm 5$
Hardness	DIN 53505	70 - 90 ± 5 Shore A
Tensile strength (min.)	DIN 53504	> 40 N/mm ²
Elongation at break (min.)	DIN 53504	> 500 %
Abrasion (max.)	DIN 53516	< 30 mm ³
Compression set (70°C/ 24 h /20% pressure) (max.)	DIN 53517	30 %
Compression set (20°C/ 72 h /20% pressure) (max.)	DIN 53517	20 %
Tear resistance (angle sample)	DIN 53515	> 40 N/mm
Rebound resilience		> 30 %
UV resistance		Very good
Temperature range		-40°C to +75°C
Building material class	DIN 4102-1	B2

Dimensions & Availability

RUTEC R5000 will be delivered in grain sizes between 8 - 22 mm DIN EN 933, oversize and undersize < 10 % weight volume. The fill is composed of 4 main components. The material is free from N-nitrosamines and harmful substances according to REACH regulation. The fire behavior of the granulate corresponds to building material class B2 according to DIN 4102-1. The bulk density corresponds to approx. 650 Kg/m³.



Storage

RUTEC R5000 must be stored in accordance with the regulations for the storage of elastomers (DIN 7716).

Comments

All information is based on laboratory results and corresponds to our current state of knowledge. The data is intended to provide information on our products and their use. This document is not a guarantee of any particular property or performance of any product or of its suitability for any particular application. We would like to point out that the above data may change in the course of further developments, therefore we reserve the right to make appropriate adjustments.