

RAKU® PUR 32-3275-7 Dunkelgrau

Soft integral foam, thixotropic

Description

RAKU® PUR 32-3275-7 Dunkelgrau is a thixotropic, two-component polyurethane system. It consists of a filled resin component A and a hardener component B (MDI). The system contains no solvents or plasticizers. It is characterized by:

- Low swelling under ice water conditions
- very low water absorption
- high mechanical strength
- short tack-free time / faster utilization
- **UL 50 and UL 508 listed**
- smooth and bright surface
- high sealing class
- good non-stick properties

Temperature resistance

long-term	- 40 °C	to + 90 °C
short exposure		up to + 130 °C

Application

The product is used for the production of formed-in-place foam gaskets (FIPFG) and of molded foams. The hardness of the material can be adjusted to the specific application by changing the mixing ratio.

Processing

Before use, the component A must be homogenized, as additives tend to cause phase separation. The density of the material can be adjusted to the processing specification of 1.00 g/ml by adding dispersed air through stirring. The air helps to ensure a uniform foam structure. The component B is very sensitive to moisture and must not be stirred. Due to its high reaction rate, the system is usually processed by two-component mixing and dispensing machines.

Raw components data

		RAKU® PUR 32-3275-7 A	RAKU® PUR 32-3275-7 B
Viscosity, $\gamma = 2.5 \text{ s}^{-1}$	mPa*s	75,000	-----
Viscosity	mPa*s	-----	600
Density without air	g/ml	1.10	1.22
Density with recommended air loading	g/ml	1.00	-----
Color		dark grey	light brown

measured at 20 °C

Technical Data Sheet

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Processing data

	Unit	Value		
Mixing ratio A : B	parts by weight	100 : 18	100 : 20	100 : 22
Processing temperature	°C	20 - 30	20 - 30	20 - 30
Cream time	sec.	50	50	50
Tack free	minutes	8	8	8
Density, foamed in 30 ml beaker	g/l	300	280	260
Hardness, lab foamed in beaker	Shore 00	40	45	50

measured at 20 °C, 30 ml formulation, laboratory stirrer 1800 rpm.

Standard shipping containers

	Component A	Component B
	contents	contents
	kg	kg
Drum	200	225
Canister, internally coated	30	-----
Can	-----	30

Storage

Original containers may be stored at ambient temperature (10 °C - 30 °C) for 6 months.

At temperatures below + 5 °C, the hardener component B may crystallize.

Before processing, the components must be conditioned to 18-23 °C.

Since both components are affected by air moisture, containers should be kept tightly sealed.

Health and safety at work

The workplace in which the material is being used must be well ventilated. All applicable health and safety regulations governing the use of reactive resins and their hardeners must be observed. Please also observe the respective safety data sheets.