RAKU® TOOL PP-3359 / PH-3905

Adhesive for flame retardant panel

Polyurethane paste

Key Properties

- Excellent filling and flow properties
- High strength and good adhesion
- Fast RT curing
- Flame retardant

Applications

- Bonding of flame retardant board FP-0590

Processing Properties

			PP-3359	PH-3905
Color	visual		Beige	Brown
Mix ratio		parts by weight	100	30
Density	ISO 1183	g/cm³	ca. 1.05	ca. 1.22

			PP-3359 / PH-3905
Pot life at 25 °C	500 ml	min	5-8
Minimum curing time at 25 °C		h	4

Cured / Mechanical Properties

Cure: 7 days at RT or 14h at 40°C			PP-3359 / PH-3905
Aspect	visual		Beige
Density	ISO 1183	g/cm³	ca. 1.1
Shore hardness D	ISO 868		75-80
Coefficient of thermal expansion	ISO 11359	$10^{-6}K^{-1}$	46-52
Deflection temperature, HDT	ISO 75	°C	50-55
Glass Transition temperature, Tg	DSC	°C	40-50
Compressive strength	ISO 604	MPa	68-72
Flexural strength	ISO 178	MPa	38-43
Flexural modulus	ISO 178	MPa	3,500-4,000

Processing

The processing and material temperature should be between 20-25 ºC.
Mix the two components thoroughly in the ratio indicated and apply to both sides of the surface to be bonded. Recommended layer thickness is 1-2 mm. Caution: the adhesive will be foaming during the curing process.

Packaging

RAKU® TOOL PP-3359	6 x 1.0kg / 1.0kg
RAKU® TOOL PH-3905	6 x 0.5kg / 0.5kg

Storage

Original containers should be kept tightly sealed and stored at ambient temperatures (15°C to 30°C). If properly stored the products have the shelf-life indicated on the product label.
Partly used containers should always be sealed appropriately and used up as soon as possible.

Handling Precautions

Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.

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