

EC-2456 / EH-2956, EH-2957

Epoxy Casting System

Transparent

Key Properties

- Good UV resistance
- High level of transparency
- Self-venting
- Low viscosity

Applications

- Artistic and decorative arts
- River Tables

Processing Properties

		Unit	EC-2456	EH-2956	EH-2957
Color	visual		colorless	colorless	colorless
Mix ratio		pbw	100	40	-
Mix ratio		pbw	100	-	47
Mix ratio		pbv	100	45	-
Mix ratio		pbv	100	-	53
Density	ISO 1183	g/cm ³	ca. 1.10	ca. 0.97	ca. 0.97
Viscosity at 25 °C	DIN 53019-1	mPa·s	300 - 600	50 - 100	40 - 80

		Unit	EC-2456 / EH-2956	EC-2456 / EH-2957
Mix viscosity at 25 °C	DIN 53019-1	mPa·s	250 - 300	180 - 230
Pot life at 25 °C	1000 ml	h	20 - 24	30 - 35
Max. layer thickness		mm	50	90
Demold time		days	3	7
Machinable		days	7	14

Cured / Mechanical Properties

		Unit	EC-2456 / EH-2956 14 days at RT	EC-2456 / EH-2957 14 days at RT
Cure				
Color		visual	colorless	colorless
Density	ISO 1183	g/cm ³	ca. 1.10	ca. 1.10
Hardness	ISO 868	Shore D	75 - 80	60 - 65
Glass transition temperature, T _g	DSC	°C	45 - 50	35 - 40
Flexural strength	ISO 178	MPa	60 - 65	10 - 15
Compressive strength		MPa	65 - 70	30 - 35



Processing

The processing temperature and material temperature should be between 20-25°C.

Mix the two components thoroughly in the ratio indicated.

After the first mixing, pour the material into a new container and mix again.

Allow the material to vent or evacuate for approx. 15 - 30 minutes before casting.

It is possible to cast thicker layers by lowering the material and room temperature. To obtain the correct parameters this must be tested by yourself first.

If you have any questions regarding processing, our technical service will be happy to help and assist you.

Packaging

RAKU® TOOL EC-2456	25 kg, 5 kg
RAKU® TOOL EH-2956	20 kg, 4 kg
RAKU® TOOL EH-2957	23,5 kg, 4,7 kg

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.