

Polyurethane Penguin Foams

Technical information

The Penguin Foams are single-component elastomers which are solvent-free and fast curing. They had been developed to apply foamed sealings in a rational, ecological and reliable way.

The special FOAMPLY® machines foam up the Penguin Foam material mechanically with the result to get a closed-cell, elastic sealing. The softness of the foam is infinitely variable by the volume of air added.

SINGLE-COMPONENT ELASTOMERS

closed-cell foam, fast curing

- » Superfine, closed-cell foam realised by mechanical foaming process
- » Soft elastic material (density from 20 % onwards when compressed)
- » Temperature-resistant from -40 °C to +90 °C, temporarily up to 175 °C
- » Fast curing within 2-5 min. at 80 °C or curing within a few seconds by using contact heat, microwave or induction
- » Good adhesion to plastic or metal parts (with pre-treatment if necessary)
- » Process independent of the ambient temperature

	PF #3151 E	PF #3160	PF #3112
Not yet polymerised			
Shape	Black paste	Black paste	Black paste
Viscosity Type BH; 20 RPM; 23 °C mPas	90,000	100,000	80,000
Skin formation 23 °C; 65 % RH	–	–	1h
Polymerisation d=5 mm	5 min. at 80 °C	5 min. at 80 °C	5 h at 23 °C; 65 % RH
Foamed (3 times volume) and polymerised			
Hardness Shore	~42 (00)	~18 (A)	~10 (A)
Tensile strength ISO 1798 N/mm ²	0.28	0.60	0.20
Elongation 20 °C %	160	280	100
Density 23 °C g/cm ³	0.38	0.40	0.42

All values have been determined in laboratory tests and can be considered as standard values. | Modifications and errors excepted. | © CeraCon GmbH | All rights reserved.

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