



Product datasheet Backdown

1. Manufacturer information

Trade name:	Backdown/-color
Intended use:	Fabrication of flexible stiffeners in orthopedic technology and shoe technology
	Ortoiberica S.L. Parque Tecnológico Asturias parcela 1 33428 Llanera España Tel.: +34 985794800

2. Intended use

For the fabrication of front-, peroneal- and ankle-caps, trial shoes, flexible diagnostic-, definitive-, test sockets and hand positioning splints.

3. Composition

CAS-No.:	24937-78-8
Designation:	Ethylenvinylacetat (EVA)

4. Properties

General properties:

Properties	Guideline	Value
Form	-	rubbery, soft
Colour	-	transparent, coloured
Odour	-	inodorous
Density	ISO 1183	0.95 g/cm ³
Water absorption, 24h/23°C	ISO 62/1	0.2 %
Water solubility	-	insoluble

Mechanical properties:

Properties	Guideline	Value
Tensile strength	ISO 527	24 MPa
Flectional strength	ISO 178	-
Impact strength, 23°C	ISO 179/1eU	no break
Notch impact, 23°C	ISO 179/1eA	no break
Yield stress	ISO 527	15 MPa
Elongation at break	ISO 527	850 %
E-modulus	ISO 527	20 MPa
Hardness shore A/ shore D	ISO 868	82 Shore A
Ball indentation hardness	ISO 2039/1	-



Product datasheet Backdown

Thermal properties:

Properties	Guideline	Value
Vicat softening point	ISO 11357/3	40 °C
Temperature resistance	ISO 75/A	54 °C
Glass transition temperature	ISO 11357/3	72 °C
Shrinkage after thermoforming	-	<2 %

Biological properties:

The material has been tested for biocompatibility according to DIN EN ISO 10993-1 and does not affect the patient's biological safety.

5. General information

Storage instructions:

Keep away from sunlight. Keep dry.

Recommended storage temperature: 5°C – 35°C

Recommended working temperature: 100°C – 130°C

Instructions for cleaning and maintenance:

Cleaning with acetone or degreaser.

The information on this product data sheet corresponds to the best of our knowledge at the time of printing. The information is not guaranteed assurance of product properties and does not constitute a contractual legal understanding. Input errors and mistakes reserved.