



Photo: Pocket knife „Forester One Hand“,
provided by Victorinox AG

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ALAMID®

Easy to handle: Swiss pocket knife shell with an outstanding grip

Victorinox opts for ALAMID® compounds for its handle shell

The traditional manufacturer of the original Swiss pocket knife, Victorinox AG with its head office in Ibach/Schwyz, develops and sells unique, high-grade products worldwide which are highly practical in a wide range of everyday and specific situations. Quality, functionality, innovation and iconic design are all key priorities for Victorinox.

The “Dual Pro”, “Forester One Hand” and “Sentinel One Hand” pocket knives are robust knives that can withstand rigorous use and hence constitute the perfect tool to accompany day-to-day adventures. The knife handle shells in black and red have an appealing, ultralight design and not only look attractive but also provide an excellent grip.

This is made possible, among other things, by ALAMID® compounds from LEIS Polytechnik polymere Werkstoffe GmbH which are used in the two-component material for the handle shell. The specifications of the material were modified especially for these Victorinox applications.

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Victorinox® for ALAMID® compounds for its handle shell

ALAMID® compounds are based on PA 6 and PA 66. The materials are noted for their high toughness and hardness. The excellent wear resistance and high heat deflection temperature, coupled with good chemical resistance, make ALAMID® compounds ideal for technical functional components that are subject to stringent requirements.

ALAMID® - Features

- ➔ Very good surface finish
 - ➔ No streaks
 - ➔ No colour changes
 - ➔ A high colour stability under environmental influences and in contact with everyday media
- ➔ Neutral natural colour and good colourability of the base polymer
- ➔ High dimensional stability and very low warpage
- ➔ High strength and toughness under mechanical load
- ➔ Very good chemical resistance and resistance to cleaning agents
- ➔ Stable process capability
- ➔ Very good interface adhesion with TPE
- ➔ A broad range of filler and reinforcing materials,
- ➔ permits great flexibility and extensive modifications for customer-specific applications

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