

PLASTICS

voestalpine INSERTS FOR FOOD CONTAINER LIDS designed for pure performance

Inserts for food containers are used in plastic injection molding, where they increase productivity by lowering cycle times using optimized cooling designs.

YOUR ADDED VALUE

Our inserts for food container lids are produced using additive manufacturing and **premium materials by BÖHLER/Uddeholm**. The food container lid inserts provide optimized conformal cooling structures that enable our customers to perform stable and highly efficient production process resulting in a cost reduction per produced part.

Our ready to use solution offers an improved productivity, reducing the overall cycle time up to 15% compared to conventionally manufactured products.

Many producers of food container lids have tested our AM solutions and confirmed the increased profitability by using our corrosion resistant inserts for food container lids.

INDUSTRIAL PERFORMANCE COMPARISON

- » Improved part quality (less warpage)
- » Significant maintenance savings
- » Reduced cycle time

Main Properties

High corrosion resistance

High wear resistance typically 49-53 HRC

High ductility (safety against cracks)

Advanced polishability

Good machinability



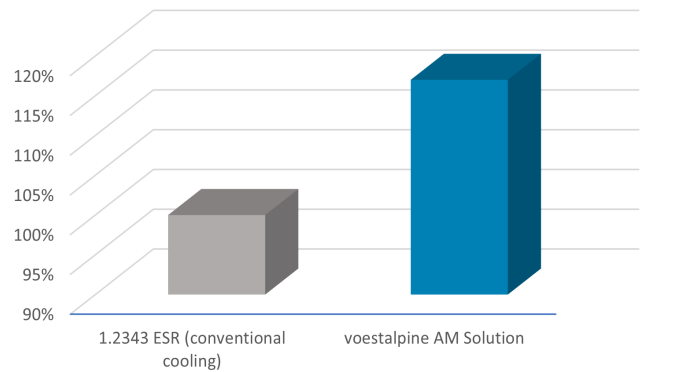
OUR MATERIALS

C	Si	Mn	Cr	Ni	Mo	Al
0.03	0.30	0.30	12.00	9.20	1.40	1.60

C	Cr	Ni	Mo	Al	Ti
< 0.02	12.20	10.00	1.00	0.60	1.00

INDUSTRIAL PERFORMANCE COMPARISON

Cycle Time Reduction



© 2024 voestalpine High Performance Metals GmbH. All Rights Reserved. You must obtain prior written permission from voestalpine High Performance Metals GmbH for the reproduction, re-publication, redistribution, transmission, sale, modification, or adaptation of any content hereof. This publication is correct to the best of our knowledge and belief at the time of writing, but it is for general information purposes only and does not provide professional advice of any kind. This publication is provided "as is" without warranty of any kind. voestalpine High Performance Metals GmbH shall not be liable for any loss, damage or cost resulting from any inaccuracies, omissions, errors or from any decisions taken in reliance on this publication. This does not limit liability that cannot be limited under law.

voestalpine High Performance Metals GmbH

Donau-City-Straße 7

1220 Vienna, Austria

T. +43/50304 10 - 0

office.edelstahl@voestalpine.com

www.voestalpine.com

January_2024_EN

voestalpine

ONE STEP AHEAD.