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Stay cool

BALINIT VALDURA – the perfect oxidation resistance for exhaust valve applications



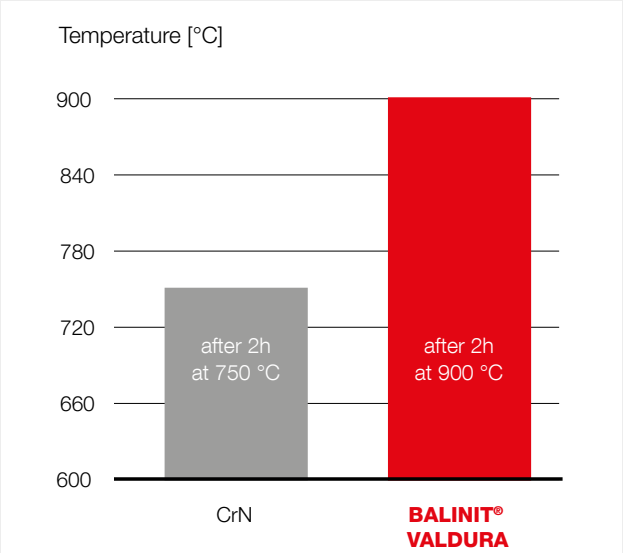
Motorsports

BALINIT VALDURA – oxidation resistance at up to 900 degrees celsius

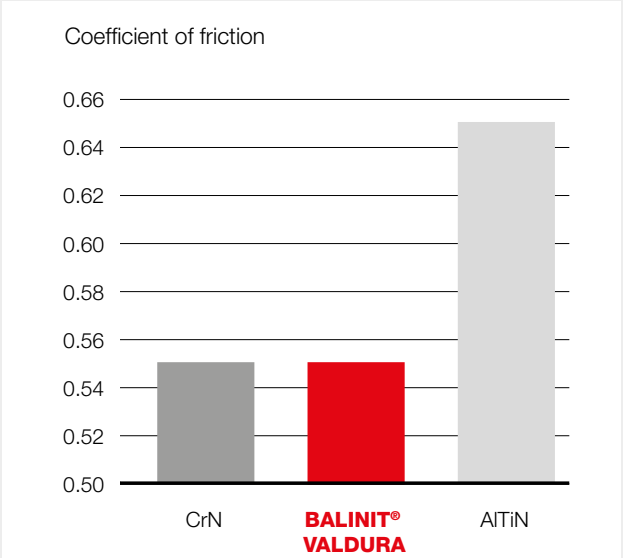
With BALINIT® VALDURA, Oerlikon Balzers offers the ideal coating solution for motorsports exhaust valve applications. Temperatures of up to 900°C cause severe oxidation of uncoated components. The Al-doped CrN coating enables oxidation resistance at elevated temperatures which significantly increases the overall wear resistance.

The globally available Oerlikon Balzers surface solutions and coating services are designed to bring performance to new levels. Tests show that the new BALINIT® VALDURA exceeds CrN coatings in exhaust valve applications significantly.

Superior oxidation resistance of BALINIT VALDURA



BALINIT VALDURA: Coefficient of friction



BALINIT VALDURA proves its oxidation resistance

Nanohardness HIT GPa	COF against Cu (dry-1PGa)	Coating thickness	Max. working temperature	Process temperature
21	0.3	2 - 7 µm	900°C	500°C

There's much more to talk about – please get in touch to discuss how we can help you to improve your business

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