

# BALINIT MAYURA

## Precision in colour

For the challenges of injection  
moulding with minimal tolerance



**Plastics**



# The key applications with BALINIT MAYURA

BALINIT® MAYURA doesn't just stand out with its bright colours: it offers real value in challenging coating applications for non-ferrous metals and tool steels with a tempering temperature < 200°C. The carbon coating has outstanding hardness and smoothness, which minimises material adhesion, and is extremely thin, which helps keep separating edges sharp.

Tool manufacturers and end users benefit from high precision, longer tool service life and increased productivity. BALINIT® MAYURA takes coating non-ferrous metals such as AMPCO, CuBe alloys and aluminium materials to the next level.



## How you benefit from BALINIT MAYURA

- High wear resistance, high abrasive resistance
- Chemical (corrosion) and thermal stability
- Low tendency to stick
- High edge stability
- Low process temperature < 150°C
- High process reliability

## Outstanding coating properties for challenging applications

	BALINIT® MAYURA
Coating material	ta-C
Coating hardness H <sub>irr</sub> [GPA]	> 65
Friction coefficient (dry)	< 0.10
Max. application temperature [°C]	500
Coating thickness [µm]	< 0.3
Coating temperature [°C]	< 150
Coating colour	Rainbow / Rainbow-black*

The coating colour depends on the application, the dimensions and the geometry of the tools. All values are approximate and depend on the respective application as well as the ambient and test conditions.

## Contact us and take advantage of the many benefits of BALINIT MAYURA!

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