

Coating	Afk.	Samenstelling	Hardheid [H_T (Gpa)]	Coating Temp. [°C]	Maximum service temperatuur (°C)	Color
BALINIT® A	A	TiN	30 +/-3	480	600	Golden Yellow
BALINIT® ALCRONA PRO	AP	AlCrN based	36 +/-3	480	1100	Light grey
BALINIT® C	C	a-C:H:Me (WC/C)	12- 15	< 250	300	Anthracite
BALINIT® CROMA (Plus)	CR	CrN	25 +/- 3	500	700	Silver-grey
BALINIT® CROVEGA		CrN	18 +/-3	< 250	700	Silver-grey
BALINIT® FORMERA	FO	CrAlN-based	28+/-3	480	900	Silver-light grey
BALINIT® FUTURA NANO	FN	TiAlN	33 +/-3	480	900	Violet-grey
BALINIT® LUMENA		TiAlN	33 +/-3	480	900	Violet-grey
BALINIT® MAYURA	MY	ta-C	> 65	< 150	> 500	Rainbow
BALINIT® TRITON STAR	T STAR	CrN / a-C:H	~15-25	< 250	300	Black

Ponsen en omvormen: BALINIT® coatings kiezen op basis van toepassing

	Forming			Trimming
	Drawing Flanging Punching	Cold Forging	Hot Forging	Piercing Trimming Fineblanking
Non-alloyed steel	FO	FO / AP	FO / AP	AP
Steel < 250 Mpa	FO			AP
Steel < 400 Mpa	FO			AP
Steel > 400 Mpa	FO			AP
Aluminium	T Star / MY	T Star / MY	AP	T Star / MY
Stainless steel	FO / AP	FO / AP	FO	AP
Brass, bronze	AP / MY	AP	FO / AP	AP / MY
Copper	T Star / MY	AP	FO / AP	AP / MY

Kunststof spuitgieten: BALINIT® coatings kiezen op basis van toepassing

	BALIQ® CRONOS	BALINIT® CROMA	BALINIT® CROMA PLUS	BALINIT® ALCRONA PRO	BALINIT® LUMENA
Thermoplastics					
PE, PP, PB	+++	++	+++	+++	+++
PS, SB, SAN, ABS, ASA	++	++	+++	++	+++
PVC	+++	++	+++	++	
PTFE, SPTFE, PVDF	++	++	++	++	
POM	+++	++	+++	+++	
PA	+++	++	+++	+++	+++
PC, PBT (B), PET (P)	+++	++	+++	+++	+++
PPE, PEEK, PAEK / PPS, PSU, PES	+++	++	+++	+++	+++
PMMA			+++		
TPU	+++	+	+++	++	
Thermosets					
PF	++	++	+++	+++	
EP	++	++	+++	+	
UP	+	+	+	+	
MF, OF, MP	++	++	+++	+++	
Elastomere					
PUR	+	+	+++		
NBR, EPDM, Si	++	++	++		
Multipolymer TPE, FPM	++	++	+++		

Alle informatie moet als indicatief worden beschouwd.

Exacte waarden hangen af van: moedermateriaal (hardheid drager), geometrie en de oppervlaktegesteldheid.

Voor meer info zie: <http://coating-guide.balzers.com>