

Kunststofftechnik / Plastics Technology

1 Entformung und Belagsbildung beim Kunststoffspritzguss / Demolding and deposit formation at plastic injection molding

Kunststoffart / Category of plastic	Kunststoffsorte / Type of plastic	Schichtempfehlung / Recommended coating
Polyolefine / polyolefines	PE, PP, PB	CrN, DLC 4000
Chlor-Polymerisate / chlorine-based polymerisates	PVC	CrN
Styrol-Polymerisate / styrol-based polymerisates	PS, SAN, SB, ABS, ASA	TiN
Acetalharze / acetal resins	POM	CrN
Polyacrylate / polyacrylate	PMMA	TiN
Polyamide / polyamides	PA6, PA66, PA12	TiN, CrN
lineare Polyester / linear polyesters	PC, ABS, PBT	CrN, TiN
Blends / blends	PC/ABS, PC/PBT	CrN, TiN
Polymide / polyimides	PEI, PAI, PMI	CrN, DLC 4000
Polyarylenethene / polyarylenethene	PEEK, PPS, PSU, PES, PPE, PPO	CrN
Fluor-Polymerisate / fluorine-based polymerisates	PTFE, PVDF	CrN
Elastomere / elastomeres	PUR, TPU, TPE, EPDM, NBR, FDM	CrN
Duroplaste / duroplasts	PF, MF, MP, UF, UP, EP	CrN

2 Verschleiß beim Kunststoffspritzguss / Wear at plastic injection molding

Verschleissart / Type of wear	Schichtempfehlung / Recommended coating
Abrasion / abrasion	TINALOX SN ² , EXXTRAL
Korrosion / corrosion	DLC 4000, CrN
Entformung / demolding	HARD EDGE

Empfehlung / Recommendation

+ Für alle beweglichen Bauteile (wie z.B. Schieber, Auswerfer, etc.), empfehlen wir eine DLC-Beschichtung.

+ For all movable parts (such as sliders or ejectors) it is recommended to use a DLC-coating.