



W.M.V. b.v.

**Specialist for alloy and ceramic
machine plating**

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This list displays the feed back we received from our customers so far, dealing with the Lunac non-stick effects, wear and corrosion resistance of Lunac coated parts. A negative remark indicates “we did not obtain the desired improvement”. A ‘positive’ remark indicates “a negative result has never been recorded by us, so far”. Consequently, that status could still change.

Plastic processing experiences			
	Lunac 1	Lunac 2+	Lunac 2hc+
ABS		Positive	
Aramid	Positive		
Bromium containing plastics	Negative / good with care	Negative	
CPVC	Positive / moderate ³	Negative / positive	Positive ³
EAA	Positive		
EBA	Positive		
ECTFE	Positive however vulnerable ²		
ETFE	Positive however vulnerable ²		Positive however vulnerable ²
EPDM rubber like	Positive		
Epoxide/Polyester	Negative (solidification)		
EVA	Positive		
EVA/EEA (2% peroxide)	Moderate (but easy to clean)		
EVA/LDPE/Carb. black	Positive (die drool ↓↓)		
EVOH	Positive / moderate	Positive	
FEP	Positive however vulnerable ²		
FTPV	Positive ³		
HDPE copolymer	Positive		
HDPE homopolymer	Moderate		
HIPS	Positive		
LDPE / LLDPE	Positive ¹ / (moderate)	Positive / (moderate)	
PA	Positive / moderate	PA6/30% GF	
PBT	Positive		Positive / moderate
PC	Positive		Positive
PE/biodegradable	Positive		

Plastic processing experiences			
	Lunac 1	Lunac 2+	Lunac 2hc+
PETG	Positive (non-stick)		
PFA	Positive, however vulnerable ²		Positive, however vulnerable ²
PP	Positive		
PPS	Positive	Positive	
PTFE	Positive ³		
PPSU			Moderate/negative
PU	Positive	Positive	
PVC (Sn stab.)	Positive ³ (corro) /negative (sticking)		
PVC	Positive ³	Moderate ³	
PVDF	Positive ³	Positive ³	Positive ³
Rubber	Moderate	Negative	
TPU	Positive	Positive	
TPU polyester based	Moderate		
(Fluor) Silicon rubber	Positive ³		
XLPE	Positive (melt flow ↑)		
XNBR	Negative		

“good with care” as mentioned at “bromium containing plastics” indicates the plastic should not get the opportunity to degrade and remain on the surface for a prolonged period. For processing many fluoroplastics, additional corrosion resistant (stellite) welded armours might locally be necessary in the edge zones of the machine parts. (Screw flight tips must always be stellite armoured.)

This list is only indicative and cannot be regarded generic. Small variations can trigger major deviations.

For detailed questions, please contact us.

¹ Especially in the case of (blue) colour change and added biodegradable compounds

² Coating life time: mostly up to 2 years. Occasionally significantly longer in the case of highly stabilised plastic.
Possible formation of micro-crack structure and sub-surface corrosion.

³ Corrosion issues have never been mentioned. However, cautiousness is still recommended.