



Success depends on the plastic

The ELIX[®] ABS grades are manufactured using the emulsion process. Thanks to the good and homogeneous butadiene particle distribution, the electroplating grades offer a high surface quality for optimal chromium adhesion. The absence of oversized polybutadiene particles, agglomerates and microphases reduces the reject rate during electroplating. ELIX[®] ABS electroplating is the ABS plastic for fine, high-quality

chrome-plated plastic components. Benefit from the special properties for your electroplating applications:

- **Excellent electroplating adhesion**
- **Low reject rate**
- **Very good flow properties**
- **Favourable mechanical properties**

People. Think. Plastics.

Together with you, we think about plastic solutions for tomorrow's electroplated components. Benefit from our technical application advice. We implement your requirements with the right material – including service and tailor-made logistics concepts.

Your partner for electroplating ABS + ABS/PC

Typical application areas for ELIX[®] ABS electroplating:

- **Automotive interior parts:** e.g. decorative parts
- **Automotive exterior parts:** e.g. logos
- **Sanitary ware:** e.g. shower heads
- **Consumer products:** e.g. cosmetics containers



Perfect surface finishing with ABS Galvano from K.D. Feddersen

Grades		Vicat softening point 50 N, 50 °C/h [°C] ISO 306	Melt volume flow rate MVR 220 °C/10 kg [cm ³ /10 min] ISO 1133	Izod notched impact strength 23 °C [kJ/m ²] ISO 180-1A	Izod notched impact strength -30 °C [kJ/m ²] ISO 180-1A	UL Yellow Card E 350602
ELIX [®] P2MC	ABS Galvano	95 °C	25	23	12	HB
ELIX [®] ULTRA HH 4115 PG	ABS+PC Galvano	113 °C	14*	58	41	HB

Further ELIX[®] ABS galvano grades are available on request!

*260 °C/5 kg



ELIX[®] ULTRA HH 4115 PG for demanding applications

The ELIX[®] ABS+PC electroplating grade has special properties and advantages over comparable ABS/PC electroplating grades available on the market. With ELIX[®] ULTRA HH 4115 PG, you can improve your component properties and even save costs at the same time.

Benefits	Properties	Standard	Unit	ELIX [®] ULTRA HH 4115 PG	ABS + PC electroplating from market competitors
Weight reduction	Density	ISO 1183	g/cm ³	1.07	1.10
Improved flow properties	MVR (260 °C, 5 kg)	ISO 1133	cm ³ /10 min	14	12
Lower processing temperature	Melting point	ISO 294	°C	240	260
Higher impact strength	Izod notched impact strength, 23 °C	ISO 180-A	kJ/m ²	58	40
	Izod notched impact strength, -30 °C			40	36
Higher heat distortion temperature	Vicat B50, 50 °C/h	ISO 306	°C	113	110

Automotive interior and exterior

ELIX[®] ABS electroplating grades are listed by numerous OEMs and are used for high-quality chromed components such as logos, covers and decorative frames in series production.

Product series	ELIX [®] Products	Ford	Stellantis	BMW	Renault, Nissan, Mitsubishi	Fiat Chrysler Automobiles	Daimler	Tesla	Volkswagen Group
Galvano	P2MC	WSS-M4D836-B1	PMP 2023	GS93016	PMP 2023	ABS 85.180 / CPN 2220 2220	DBL 1224 AA 30		comply with TL 527, TL 528-A, -B o. -D
		WSS-M4D836-B2							
	3095PG							TM-1002 101000E/201000E	
	Ultra HH 4115 PG		PMP 2023	GS93016	PMP 2023		DBL 1224 AA 31		comply with TL 52231, TL 528-A, -B o. -D
	Ultra HF 4200 PG						DBL 1224 AA 31		

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