



Success Lies in 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 Electroplating

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
ELIX® P2MC	ABS Galvano	95 °C	25	23	12	HB
ELIX® ULTRA HH 4115 PG	ABS+PC Galvano	113 °C	14*	58	41	HB

*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.

Grade	Ford	GM	Peugeot Citroën	BMW	Renault Nissan	Fiat Chrysler Automobiles	Daimler	Volkswagen Group
ELIX [®] P2MC	WSS-M4D836-B1	GMW15572P-ABS-T5	RMA ABS-0018	GS93016	PMR2018	ABS 85.180 / CPN 2220	DBL5404 AA76	TL 527, TL 528-A, -B or -D
ELIX [®] ULTRA HH 4115 PG		GMW15581P-ABS+PC-T7			PMR2018		DBL5404 AA77	TL 52231, TL 528-A, -B or -D

We are There for You! Do you need an ABS or ABS/PC solution for your plating application? Then let us drive your project forward together.

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