

Our standard ABS portfolio

K.D. Feddersen can provide various ABS products from a single source. The standard ABS range is delivered directly from stock and is available at short notice for sampling and series production.

CADON ABS CG28

Impact-resistant, even at sub-zero temperatures

Due to its special composition, this grade offers a high toughness and a very high impact strength at low temperatures. CADON ABS CG28 is available exclusively in natural and is suitable for self-coloring due to its good inherent color.

Typical application areas: Floor grilles, floor drains, housing parts for sports equipment, helmets, garden tools.



ELIX[®] ABS M220

Easy-flowing with good technical performance

This universal injection moulding grade has good mechanical properties and its high flowability makes the product particularly suitable for components with low wall thicknesses and long flow paths. Due to its light inherent color, ELIX[®] M220 is well-suited for self-coloring. In addition, ELIX[®] ABS M220 is available in standard black.

Typical application areas: Furniture, ventilation grilles, small device housings, soap dispensers, storage boxes, writing accessories, model making, luminaire housings.

ELIX[®] ABS P2H-AT

High-gloss and easy-flowing

ELIX[®] P2H-AT is an ABS equipped with an antistatic agent and is characterised by its high-gloss surfaces. It also features a balanced combination of stiffness and tensile strength. Due to its outstanding flow behaviour, structurally complex components with low wall thicknesses can be produced. ELIX[®] P2H-AT is available in natural, black and pre-colored.

Typical application areas: Housing parts for fully automatic coffee machines, small kitchen appliances, heating equipment, measuring instruments, smart home, electrical appliances, distribution boards, remote controls, installation housings, cosmetic containers, wipe cloth dispensers, towel holders, luminaire covers, washing machine panels.

Color solutions

ELIX[®] ABS P2H-AT is also available colored. Numerous RAL colors and various OEM colors have already been reproduced. In addition, modifications with UV stabilisation are possible. With ELIX[®] P2H-AT, you get a high-quality pre-colored ABS product with consistent color quality. Are you looking for an ABS pre-colored in RAL 7035 (light grey), RAL 9003 (signal white), RAL 9016 (traffic white), or another color? Please contact us.



For special color requirements, we offer a comprehensive masterbatch color programme range, as well as individual product ideas through our sister company AF-COLOR, a branch of AKRO-PLASTIC GmbH. Would you like to get to know AF-COLOR and its expertise? Join the discussion!



Properties at a glance

Properties	Test condition	Standard	Unit	CADON CG28 High impact resistance	ELIX [®] M220 Easy-flowing, glossy	ELIX [®] P2H-AT Easy-flowing, high-gloss, with antistatic agent
Melt volume-flow rate MVR	220 °C, 10 kg	ISO 1133	cm ³ /(10 min)	14	32	37
Tensile modulus	1 mm/min	ISO 527-1, -2	MPa	1,600	2,300	2,500
Izod notched impact strength	23 °C	ISO 180-1A	kJ/m ³	28	18	16
Izod notched impact strength	-30 °C	ISO 180-1A	kJ/m ³	21	12	7
Vicat softening point	50 N: 50 °C/h	ISO 306	°C	93	95	98
Burning behaviour	1.5 mm/3.0 mm	UL 94	Classification	HB	HB	HB
Density	-	ISO 1183	g/cm ³	1.02	1.05	1.05
Available in the following colors ◦ = natural • = black c = colored				◦	◦/•	◦/•/c

From the idea to the start of production

In your project, do you need a partner for the development, design, calculation and simulation up to trial and test, as well as for commercialisation and qualification? Our sister company M.TEC ENGINEERING GmbH solves even your most demanding challenges. Would you like to get to know M.TEC and its expertise? Join the discussion!

Do you need a different ABS solution?

With the product range of ELIX Polymers, we offer a wide selection of material solutions. We will be pleased to support you in the selection of products.

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People. Think. Plastics.

We work with you to find the plastic solutions for your ABS applications. Benefit from our technical application advice. We implement your requirements with the right material – including service and tailor-made logistics concepts.