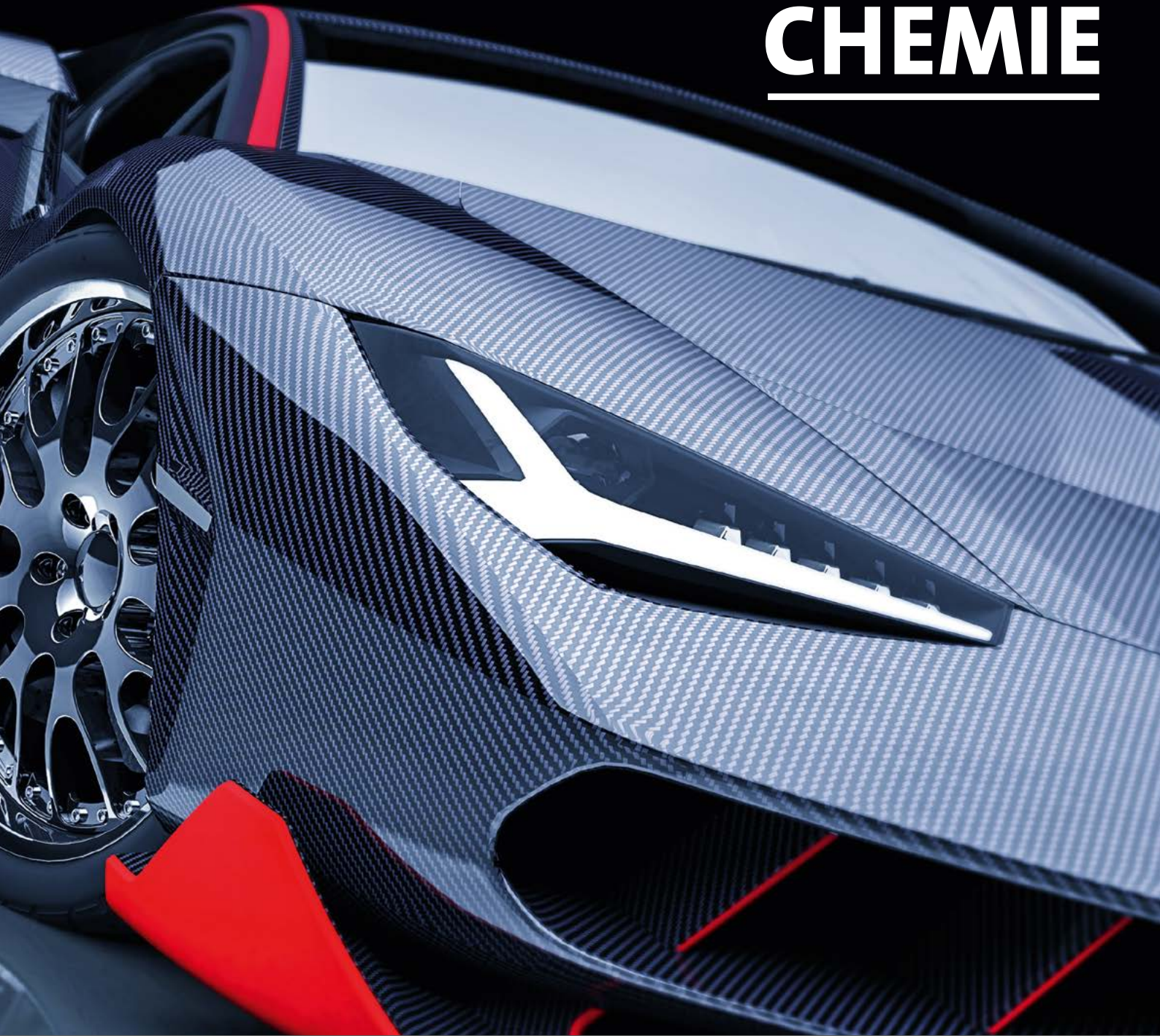

BODO MÖLLER
CHEMIE



Products for mold making
and composite manufacturing



Proven solutions for

BODO MÖLLER CHEMIE is an expert for composite and tooling materials. We offer application-specific solutions for all common manufacturing processes in industries such as automotive, bus, truck, rail, aerospace, wind energy, marine, sports and leisure.

The comprehensive range of products includes formulated epoxy resin systems, fiber reinforcements, tooling boards, mold making silicones, casting resins, laminating resins as well as gelcoats and coupling layers.



all major applications

Product selection

Formulated composite systems

RenLam® Formulated resin systems

Araldite® Formulated resin systems

Specialties for manufacturers & formulators

Araldite® Epoxy base resins

Aradur® Epoxy base hardener

Kerimid® Bismaleimides

Matrimid® Polyimides and bismaleimides

Rhodefal® Polyamidoimides, polyamideimides

Tactix® Bisphenol-A epoxy resins

Fiber reinforcements

Coated yarns

Glass and carbon fiber fabrics and scrim

Glass and carbon thermoplastic preregs

Tooling boards

UREOL® Epoxy tooling boards

UREOL® Polyurethane tooling boards

Silicone mold making materials

Bluesil™ Silicone RTVs (2C)

Silastic™ High strength RTVs

Casting resins

RenCast® Epoxy casting resins (2C)

RenCast® Polyurethane fast casting resins (2C)

Auxiliaries for tooling & mold making

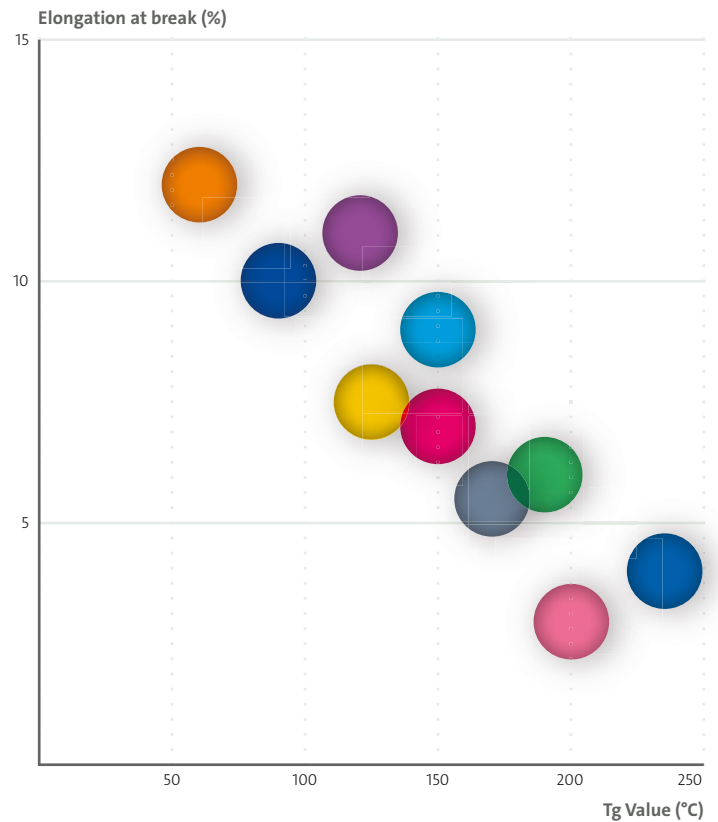
Araldite® Color pastes

Araldite® Fillers

RenLease® Wax and silicone based release agents

Gelcoats & coupling layers

RenGel™ Epoxy gelcoats and coupling layers

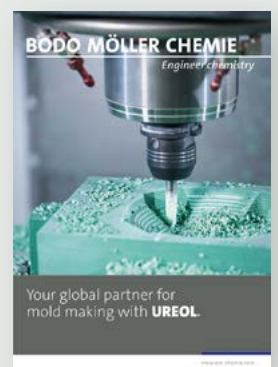


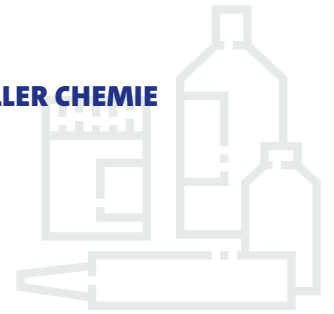
Formulated composite systems

- RenLam® M1 / HY 956
- Araldite® XB 3585 / XB 3486
- Araldite® LY 5052 / 5052
- RenLam® LY 113 / HY 98
- Araldite® LY 556 / 22962
- Araldite® LY 556 / 917-1 / DY 070
- Araldite® LY 556 / HY 906 / DY 070
- Araldite® LY 556 / XB 3473
- Araldite® CY 179-1 / 917-1 / DY 070
- Araldite® XB 9721 / XB 3473

UREOL®
by BODO MÖLLER CHEMIE

Detailed information about our original **UREOL**® tooling boards can be found in this separate brochure.





Formulated composite systems

	Pot life at 25 °C	Viscosity at 25 °C	Gel time at 80 °C	Tg Value	Flexural elongation
RenLam® M1 / HY 956	30 min	1200 mPa*s	5 min	60 °C	12 %
Araldite® XB 3585 / XB 3486	530 min	550 mPa*s	35 min	90 °C	10 %
Araldite® LY 5052 / 5052	140 min	600 mPa*s	15 min	120 °C	11 %
RenLam® LY 113 / HY 98	100 min	300 mPa*s	20 min	125 °C	7,5 %
Araldite® LY 556 / 22962	150 min	1900 mPa*s	20 min	150 °C	9 %
Araldite® LY 556 / 917-1 / DY 070	100 h	750 mPa*s	150 min	150 °C	7 %
Araldite® LY 556 / HY 906 / DY 070	52 h	2000 mPa*s	240 min	170 °C	5,5 %
Araldite® LY 556 / XB 3473	35 h	5600 mPa*s	>600 min	190 °C	6 %
Araldite® CY 179-1 / 917-1 / DY 070	48 h	150 mPa*s	70 min	200 °C	3 %
Araldite® XB 9721 / XB 3473	85 h	15500 mPa*s	> 600 min	235 °C	4 %

Silicone mold making materials

	Pot life at 25 °C	Viscosity at 25 °C	Demolding time at 25 °C	Shore A	Elongation at break
Bluesil™ RTV 3428 A&B	60 min	13000 mPa*s	16 h	28	600 %
Silastic™ RTV-4234-T-4	90 min	35000 mPa*s	12 h	40	400 %

Casting resins

		Pot life at 25 °C	Viscosity at 25 °C	Demolding time at 25 °C	Thermal stability	Linear shrinkage
RenCast® CW 2215 / HY 5161	Yellow	45 min	5000 mPa*s	–	60 °C	0,7 mm/m
RenCast® CW 2418-1 / HY 5160	Black	120 min	4000 mPa*s	–	55 °C	0,1 mm/m
RenCast® CW 47 / HY 33	Grey	240 min	17000 mPa*s	–	210 °C	1,0 mm/m

Gelcoats & coupling layers

		Pot life at 25 °C	Demolding time at 25 °C	Thermal stability
RenGel® SW 404 / HY 2404	Blue	15 min	7 h	80 °C
RenGel® SW 18 / HY 2404	Green	10 min	12 h	85 °C
RenGel® SV 410 / HY 2404	White	25 min	12 h	70 °C

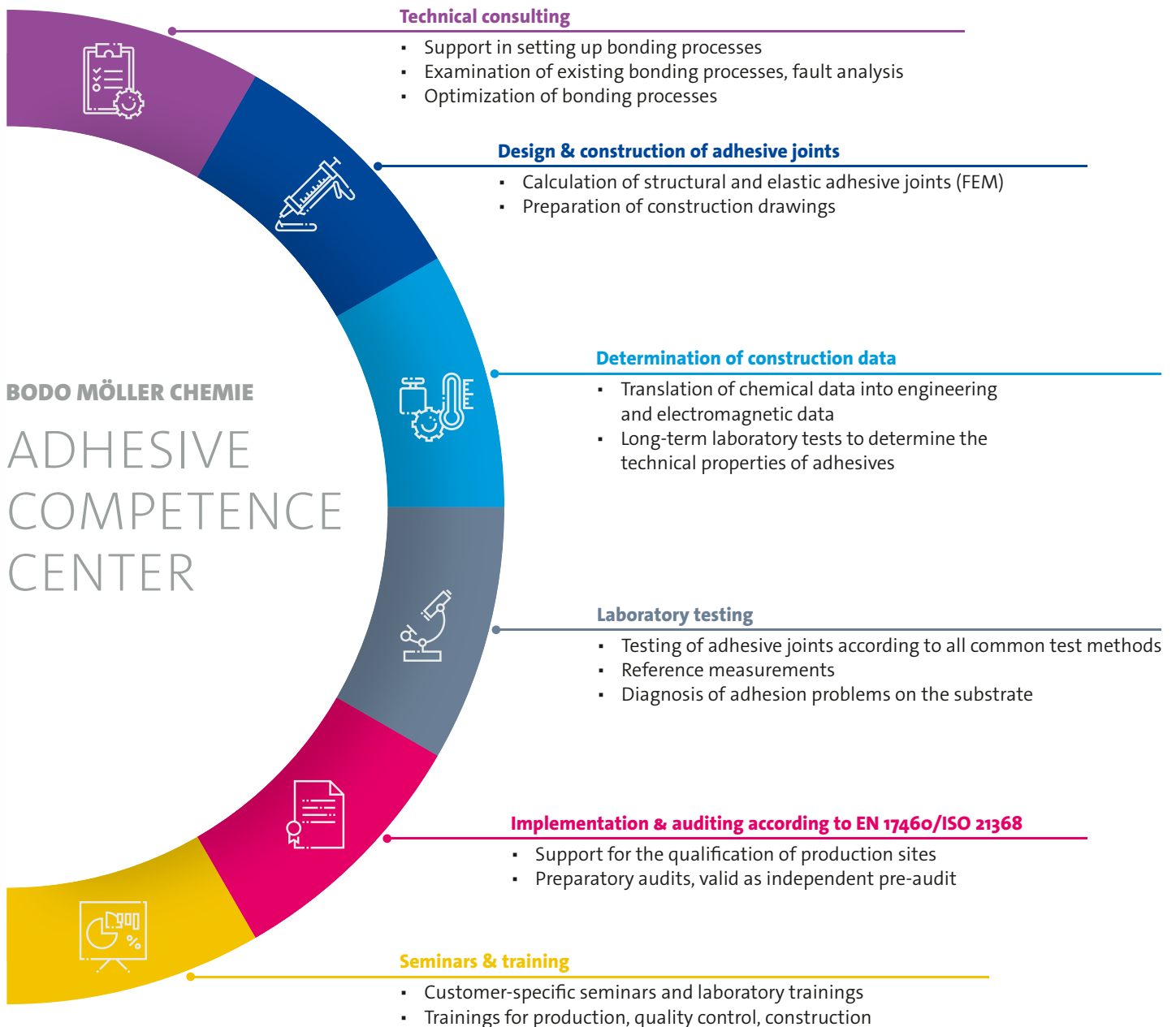
Do you need support in selecting a suitable product for your application? Please

contact our technical consultants for detailed product information, samples and process advice. We will be pleased to support you.

Application technology center

With our **Adhesive Competence Center**, we offer full service in all matters related to adhesive application technology – from product selection all the way to product validation, process simulation and engineering data.

The Adhesive Competence Center is certified for the designing of bonding joints according to ISO 21368 and EN 17460 and our Adhesive Laboratory has a Competence Approval for ISO 21368 and EN 17460. All measurements are carried out in accordance with international DIN, EN and ISO standards.





QUALITY & SAFETY

ISO 9001 Quality management**ISO 14001** Environmental management**ISO 45001** Occupational health & safety**EN 9120** Distribution and repacking for aviation industry**EN 17460** Adhesive bonding of railway vehicles (laboratory)**ISO 21368** Quality requirements for adhesive bonding processes (laboratory)

AN EXCERPT OF OUR LONGTIME PARTNERS



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