

BODO MÖLLER CHEMIE

Engineer chemistry



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, 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

Araldur® Epoxy base hardener

Kerimid® Bismaleimides

Matrimid® Polyimides and bismaleimides

Rhodefтал® Polyamidoimides, polyamideimides, polyamideimides

Tactix® Bisphenol-A epoxy resins

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

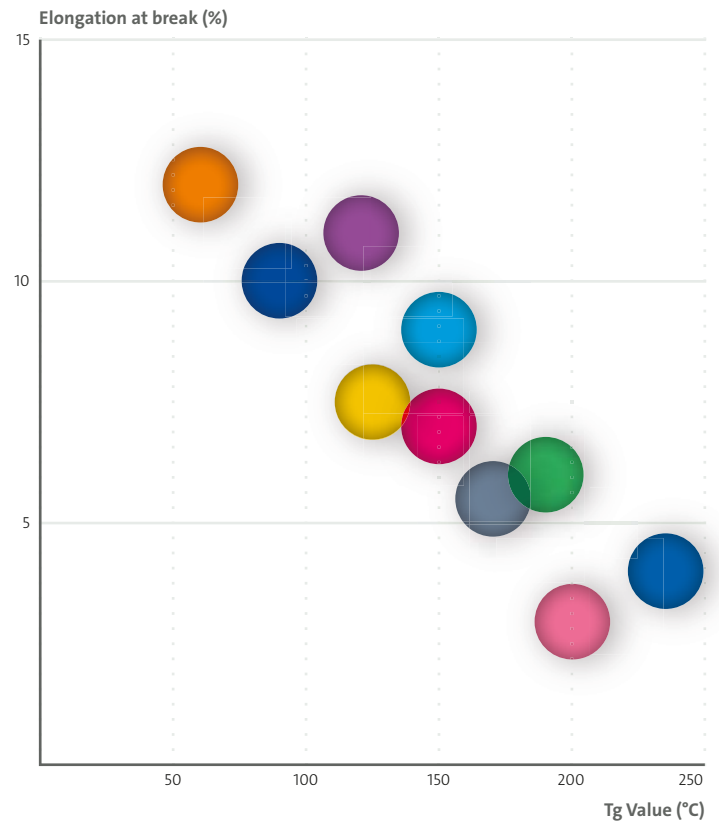
Araldite® Color pastes

Araldite® Fillers

RenLease® Wax and silicone based release agents

Gelcoats & coupling layers

RenGel™ Epoxy gelcoats and coupling layers



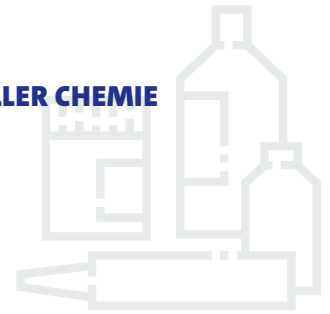
Formulated composite systems

- 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
RenCast® FC 52 / 53 ISO – FC 53 Poly ⁽¹⁾	Beige	4 min	80 mPa*s	35 min	85 °C	–

(1) Compatible with fillers

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 DIN 2304 S1 and DIN 6701-2 A1 and our Adhesive Laboratory has a Competence Approval for DIN 2304 S1 and DIN 6701-2 A1. 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**DIN 6701** Adhesive bonding of railway vehicles (laboratory)**DIN 2304** Quality requirements for adhesive bonding processes (laboratory)

AN EXCERPT OF OUR LONGTIME PARTNERS



Regional offices

BODO MÖLLER CHEMIE



GERMANY

Bodo Möller Chemie GmbH

Headquarters
Offenbach a. M.
Phone +49 69 838326-0
info@bm-chemie.de

AUSTRIA / SLOVENIA

Bodo Möller Chemie Austria GmbH

Korneuburg (Austria)
Phone +43 2262 61998
info@bm-chemie.at

SWITZERLAND

Bodo Möller Chemie Schweiz AG

Winterthur
Phone +41 52 2031930
info@bm-chemie.ch

FRANCE

Bodo Möller Chemie France SAS

Sales Office Ruaudin
Phone +33 243 240429
bureau@bm-chemie.fr

Sales Office Lyon

Phone +33 478 982337
bureau@bm-chemie.fr

BENELUX

Bodo Möller Chemie Benelux N.V.

Antwerpen (Belgium)
Phone +32 3 2352135
info@bm-chemie.be

UNITED KINGDOM / IRELAND

Bodo Möller Chemie UK Ltd.

Winsford
Phone +44 1606 532115
info@bm-chemie.co.uk

DENMARK

Bodo Möller Chemie Denmark Aps

Stenløse
Phone +45 48 163470
info@bm-chemie.dk

SWEDEN / NORWAY

Bodo Möller Chemie Sweden AB

Källered (Sweden)
Phone +46 31 698952
info@bm-chemie.se

FINLAND / ESTONIA

Bodo Möller Chemie Finland Oy

Helsinki (Finland)
Phone +358 9 6829010
info@bm-chemie.fi

POLAND / LITHUANIA / LATVIA

Bodo Möller Chemie Polska Sp. z o.o.

Suchy Las (Poland)
Phone +48 61 8220975
info@bm-chemie.pl

Adhesive Competence Center & Laboratory

Poznań (Poland)
Phone +48 61 6272143
info@bm-chemie.pl

CZECH REPUBLIC / SLOVAKIA

Bodo Möller Chemie Czech & Slovakia, s.r.o.

Sales Office Bratislava (Slovakia)
Phone +421 2 33006732
info@bm-chemie.sk

Sales Office Prague (Czech Republic)

Phone +420 239 045301
info@bm-chemie.cz

HUNGARY

Bodo Möller Chemie Hungary Kft.

Tatabánya
Phone +36 34 782019
info@bm-chemie.hu

CROATIA

Bodo Möller Chemie Austria GmbH

Podružnica Zagreb
Phone +385 91 2620276
info@bm-chemie.at

RUSSIA

Bodo Möller Chemie Russia LLC

Moscow
Phone +7 495 9885850
info@bm-chemie.ru

INDIA

Bodo Moeller Chemie India Pvt. Ltd.

Mumbai
Phone +91 22 49741848
info@bm-chemie.in

CHINA

Bodo Moeller Chemie (Shanghai) Co., Ltd.

Shanghai (P.R. China)
Phone +86 21 64750182
info@bm-chemie.cn

Bodo Moeller Chemie Hong Kong Ltd.

Hong Kong
Phone +86 21 64750182
info@bm-chemie.hk

ISRAEL

BM Chemie Israel Ltd.

Tel Aviv
Phone +972 77 6935501
info@bm-chemie.co.il

MIDDLE EAST

Bodo Möller Chemie Middle East FZE

Dubai (UAE)
Phone +971 4 8813833
info@bm-chemie.ae

EGYPT

Bodo Moeller Chemie Egypt SAE

Bodo Moeller Chemie Egypt Import Ltd.

Sales Office Cairo
Phone +20 2 226963-91 / -92 / -93
info@bm-chemie.com.eg

Bodo Moeller Chemie Egypt SAE

Sales Office Alexandria
Phone +20 3 3922061 / +20 3 3903210
info@bm-chemie.com.eg

Production Plant Sadat City

Phone +20 4 82656041
info@bm-chemie.com.eg

MOROCCO

Bodo Moeller Chemie Morocco SARL

Casablanca
Phone +212 522 262732
info@bm-chemie.ma

KENYA

Bodo Moeller Chemie Kenya Ltd.

Nairobi
Phone +254 723 592566
info@bm-chemie.co.za

SOUTH AFRICA / SUB-SAHARA REGION

Bodo Möller Chemie South Africa (PTY) Ltd.

Sales Office Port Elizabeth
Phone +27 41 3641335
info@bm-chemie.co.za

Sales Office Johannesburg

Phone + 27 114 501745
info@bm-chemie.co.za

USA

Bodo Moeller Chemie Corp.

Duluth, Georgia
Phone +1 770 2952288
info-us@bm-chemie.com

MEXICO

Bodo Möller Chemie México, S. de R.L. de C.V.

Puebla
Phone +52 222 2405168
info@bm-chemie.mx