



NOVOLAK RESINS FRICTION MATERIALS

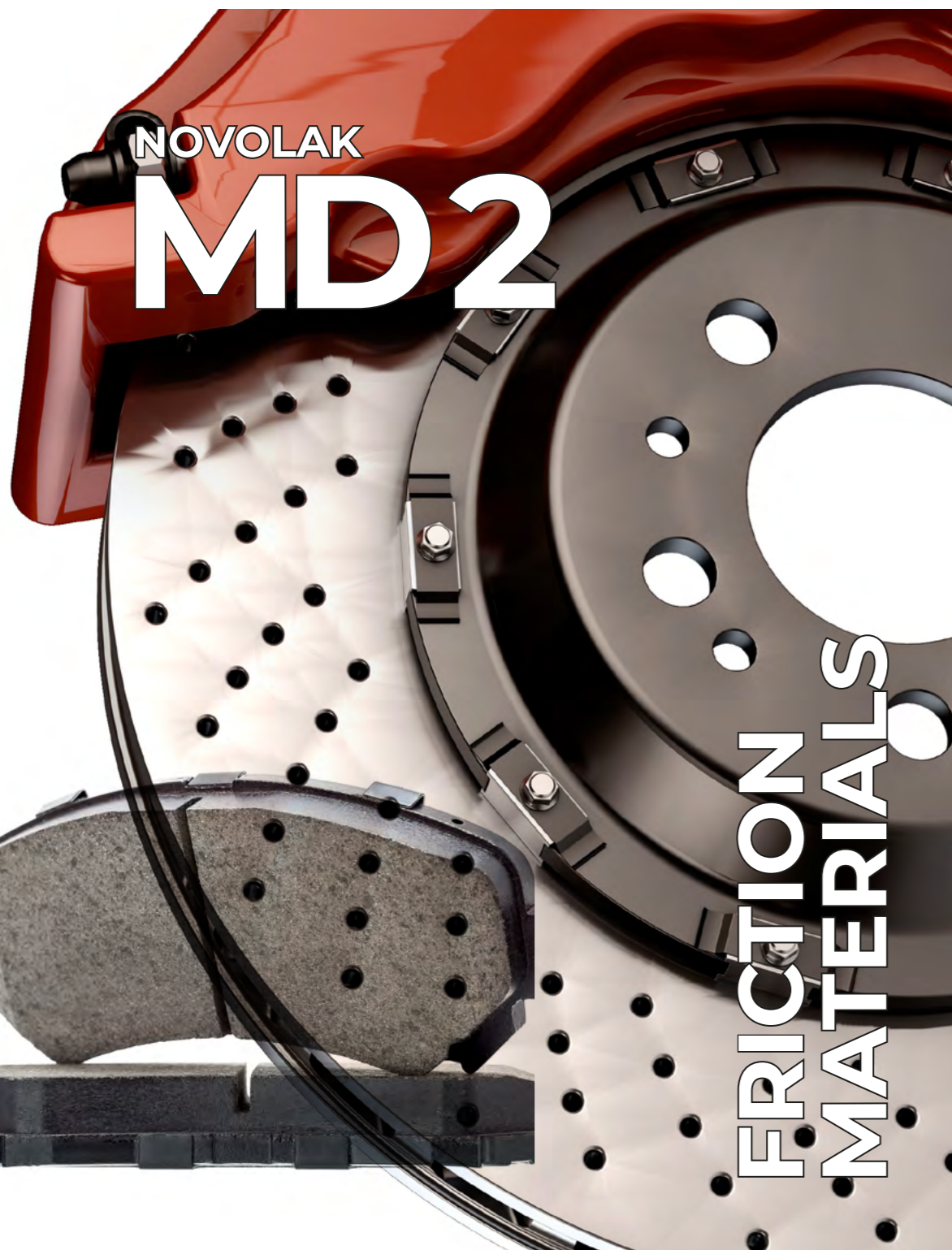


LERG[®]

FRICTION MATERIALS

We market fine-ground novolak resins used as binder in the manufacture of friction lining, i.e. brake pads or shoes, clutch facings, etc. These resins are available in versions tailored to the individual customer's needs. They are processed mainly under hot press or forming of dry mixtures.





SYMBOL	RESIN PROPERTIES						
	FLOW PATH PN-EN ISO 8619 [mm]	HEXAMINE CONTENT OWN METHOD [%]	MELTING POINT PN-EN ISO 3146 [°C]	CURING TIME PN-EN ISO 8987 [s]	FREE PHENOL CONTENT OWN METHOD [%]	WATER CONTENT PN-ISO 760 [%]	SIEVE RESIDUE ANALYSIS OF DRY LASER [%]
MD 2/3B	30-60	7,5-8,5	min. 78	40-60	max. 0,9	max. 1,0	0,045 mm: 4-8
MD 2/4	45-55	8,7-9,5	-	50-90	max. 0,5	-	0,045 mm: 5-11
MD 2/5	50-70	7,0-7,8	min. 77	100-120	max. 0,9	-	0,075 mm: max. 2,0
MD 2/7	24-28	7,0-8,0	approx. 90	80-100	max. 0,2	max. 1,0	0,075 mm: 1-3
MD 2/8	15-25	8,5-9,5	min. 80	25-50	max. 0,9	-	0,075 mm: max. 5,0; 0,125 mm: max. 1,0
MD 2/10	17-23	9,0-10,0	min. 85	50-90	max. 0,2		0,045 mm: 8-14
MD 2/11	25-30	8,7-9,3	min. 85	50-90	max. 0,2		0,045 mm: 8-14
MD 2/12	12-16	7,5-9,0	min. 90	90-120	max. 0,5		0,045 mm: 5-15
MD 2/13	16-22	8,6-9,6			max. 4,0		0,053 mm: max. 25
MD 2/15	12-18	8,0-9,0	min. 90	50-90	max. 0,8		0,090 mm: 0-7
MD 2/17	45-55	8,7-9,5		70-90	max. 0,5		0,045 mm: 5-11
MD 2/19	12-15	7,8-8,2	75-90		max. 0,9		0,075 mm: 5-7
MD 2/22	20-25	9,0-10,5	min. 85	30-50			0,045 mm: 5-7
MD 2/23	20-30	6,8-7,8	approx. 97	110-170	max. 0,2		0,045 mm: 8-14
MD 2/24	32-48	8,0-9,0	78-85		max. 0,8		0,200 mm: max 1,5 %
MD 2/25	45-52	8,7-9,3	70-90	80-120	max. 0,2	max. 1,0	0,075 mm: max. 2,0



WE DEVELOP RESINS THAT MEET INDIVIDUAL CUSTOMER REQUIREMENTS

Every year, Lerg markets around 100 new and up-graded products. The quality of its products has been acknowledged by numerous awards and quality certificates, including DNV GL, ISO 9001:2015 Management System Certificate or the Intelligent Development Polish Award and European Quality Certificate.

Lerg has a well-equipped R&D facility and collaborates with international R&D centres, constantly developing innovative solutions for its Customers to cater for their performance-optimised process needs.

Due to the variety of applications of novolak resins as well as specific production profiles of our Customers, technologists from LERG's R&D department lead continuous cooperation with Customers adjusting parameters of resins to their needs, provide professional implementation service, as well as conduct technical and application trainings in the field of resin processing.



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