



**NOVOLAK  
RESINS  
ABRASIVES**



LERG<sup>®</sup>

## ABRASIVES

Liquid resins are used for wetting/cross-linking abrasive grains in the production of abrasive discs, and also for fixing the grain to the backing in the production of coated abrasives.

The main input material is phenol but we also supply resins with the addition of urea or melamine. The resins are available in various viscosity ranges; we also offer a range of fine-ground resins.





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 1/1A	20-26	8,3-8,8	-	-	max. 0,5	-	0,090 mm: max. 6
MD 1/7A	45-55	13-14	-	-	max. 0,5	max. 0,8	0,090 mm: max. 6
MD 1/8A	30-40	3,8-4,4	-	-	max. 0,5	-	0,090 mm: 2-6
MD 1/11	18-26	8,7-9,3	88-105	-	max. 0,9	max. 1,0	0,045 mm: 5-20; 0,075 mm: max. 2; 0,150 mm: 0
MD 1/12	30-40	8,5-9,5	approx. 80	approx. 130	max. 0,6	max. 0,8	0,045 mm: 0-5
MD 1/13A	16-24	8,4-9,4	-	75-105	max. 0,5	-	0,063 mm: 8-15
MD 1/14	14-17	8,7-9,3	90-115	-	max. 0,9	max. 1,0	0,045 mm: 5-20; 0,075 mm: max. 2; 0,150 mm: 0
MD 1/17	15-20	13-14	-	-	max. 0,9	max. 1,0	0,045 mm: 8-14
MD 1/19	30-40	12-15	min. 70	-	-	-	0,045 mm: 10-12; 0,063 mm: max. 3
MD 1/20	50-55	11,5-12,5	min. 75	-	max. 0,9	max. 1,0	0,045 mm: 5-20; 0,075 mm: max. 2; 0,150 mm: 0
MD 1/21	40-50	11,7-12,7	-	-	max. 0,9	max. 1,0	0,045 mm: 6-12
MD 1/22	45-65	8,7-9,5	50-70	-	max. 0,9	max. 1,0	0,090 mm: max. 3,5
MD 1/24	25-30	11,5-12,5	-	-	max. 0,2	max. 0,6	0,045 mm: 10-14
MD 1/25	20-25	8,6-9,4	-	-	max. 0,2	max. 1,0	0,045 mm: 25-30
MD 1/32	14-19	15,5-16,5	approx. 100	-	max. 0,5	max. 1,0	0,025 mm: 35 - 54 0,045 mm: 17-25; 0,063 mm: max. 5; 0,140 mm: max. 3
MD 1/36	50-55	13,5-14,5	min. 75	-	max. 0,9	max. 1,0	0,045 mm: 5-20; 0,075 mm: max. 2; 0,150 mm: 0



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MD 1/37	50-55	15,5-16,5	min. 75	-	max. 0,9	max. 1,0	0,045 mm: 5-20; 0,075 mm: max. 2; 0,150 mm: 0
MD 1/39	18-22	13,7-14,3	85-105		max. 0,9		0,063 mm: 2-5
MD 1/40	40-50	10,5-11,5				max. 1,0	0,045 mm: 9-13
MD 1/42	34-40	8,7-9,7			max. 0,2	max. 1,0	0,090 mm: 5-10
MD 1/43	20-26	8,5-9,5			max. 0,9	max. 1,0	0,045 mm: 19-25; 0,063 mm: 8-12
MD 1/44	26-30	13,3-14,3			max. 1,0		0,045 mm: 2-10
MD 1/47	17-23	approx. 13	approx. 80	-	max. 0,6	max. 0,8	
MD 1/49	30-35	8,7-9,3	-	-	max. 0,9	max. 1,0	0,045 mm: 12-17
MD 1/50	15-20	13,5-14,7	90-100			max. 0,6	0,045 mm: 2-6
MD 1/55	23-32	12,5-13,5			max. 0,7	max. 1,0	0,045 mm: max. 3
MD 1/56	30-35	11,5-12,5	80-95		max. 0,5	max. 1,0	0,045 mm: 15-20
MD 1/57	16-21	12,5-13,5			max. 0,9	max. 1,0	0,045 mm: 3-7
MD 1/59	34-40	11,7-12,3	-		-	max. 1,0	0,045 mm: 8-12
MD 1/61	15-20	8,7-9,3			max. 0,2	max. 0,6	0,045 mm: 8-14
MD 1/64	45-55	13,5-14,5			max. 0,9	max. 1,0	0,045 mm: 12-18
MD 1/67	17-22	8,8-9,6			max. 0,7	max. 0,8	0,045 mm: max. 1,0



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