



**NOVOLAK
RESINS**
**FLAME RETARDANT
MATERIALS**



FLAME RETARDANT MATERIALS

We manufacture a range of resins for use as binders in the production of flame retardant materials, such as furnace lining bricks, blocks, ingot moulds, etc.

Types of resins:

- fine-ground novolak resins,
- liquid phenolic-formaldehyde resins of the resole type,
- phenolic-formaldehyde resins of the novolak type
- novolac liquid phenol-formaldehyde resins



NOVOLAK

MD 4

FLAME RETARDANT MATERIALS

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 4/3	14-20	17,5-18,5			max. 0,5		0,090 mm: max. 5,0
MD 4/4	15-35	8,2-9,2	80-120	100-120	max. 0,9	max. 0,8	0,045 mm: 4-20
MD F-1	16-24		90-110	-	-		0,045 mm: 4-20
MD F-2	30-38	8-10	max. 90	-	-		0,045 mm: 20-30



WE DEVELOP RESINS THAT MEET INDIVIDUAL CUSTOMER REQUIREMENTS

Every year, Lerg markets around 100 new and upgraded 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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