

IZOLEX NOK

EXOTHERMIC – INSULATING RINGS – COVERINGS FOR FEEDERS

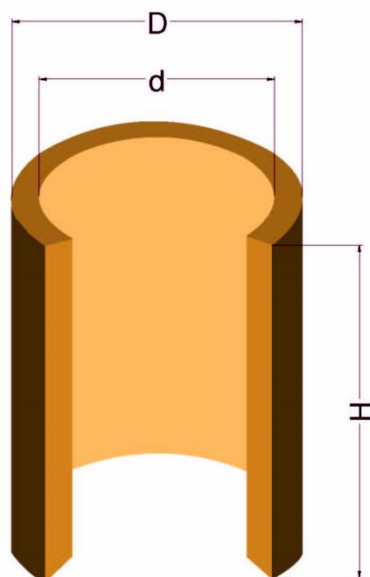
DESCRIPTION

Exothermic – insulation peak rings **IZOLEX NOK** are made of refractory, high insulation and high exothermic materials. **IZOLEX NOK** is intended as a covering for a more economical supplying of steel castings and all Ferro-alloys. **IZOLEX NOK** rings have good insulation capacity and restrict heat transfer from feeder. At the contact with melt, covering reacts exothermally, which generates the heat into feeder. By using **IZOLEX NOK** coatings we guarantee an module increment by a factor of 1,5 to 1,6. Dimensions of standard coverings **IZOLEX NOK** for feeders with cylindrical cross section from 80 to 300 mm, or hardening module from 2,4 cm to 6,2 cm are shown in the table below.

Standard rings:

Tip	Module [cm]		Feeders dimensions [mm]			Volume [dm ³]
	NOK	geom.	d	D	H	
NOK 240	2,40	1,60	80	110	150	0,7
NOK 280	2,80	1,85	100	140	150	1,2
NOK 320	3,20	2,15	120	160	150	1,7
NOK 390	3,90	2,60	140	180	200	3,1
NOK 430	4,30	2,85	160	205	200	4,0
NOK 470	4,70	3,10	180	230	200	5,1
NOK 480	4,80	3,30	200	250	200	6,3
NOK 570	5,70	3,95	250	305	200	9,8
NOK 620	6,20	4,30	300	360	200	14,2
NOK 670	6,70	4,65	350	415	200	19,5

Cross section for exothermic – insulating cylindrical covering **IZOLEX NOK**:



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USE

Coatings of feeders **IZOLEX NOK** have sufficiently high strength that can be used in moulding machines. Dimensional accuracy of the constructed covering also allows subsequent insertion into the completed forms.

To achieve the desired curing module, **IZOLEX NOK** open feeder surfaces must be covered with covering dust exothermic – insulating mixtures **LUNKERIT**. We recommend using exothermic strew with good insulating properties **LUNKERIT 303 G**.

Remains of burned coverings of **IZOLEX NOK** are, after the casting, solid, crusty, and when cleaning the castings, they can be easily separated from the rest of the sand.

Comparative data for increasing the efficiency of the melt when using exothermic – insulating coverings **IZOLEX NOK** compared with conventional feeders. [$\rho_{\text{melt}} = 7,4 \text{ kg/dm}^3$].

TIP	Module [cm]		Volume [dm ³] and mass of feeder [kg]				The weight ration of feeders conventional / izolex and savings	
	NOK	geom.	NOK [dm ³]	conventional (H=1,5D) [dm ³]	NOK [kg]	conventional (H=1,5D) [kg]	Mass ratio	savings [kg]
NOK 240	2,40	1,60	0,70	2,50	5,18	18,50	3,57	13,33
NOK 280	2,80	1,85	1,20	3,90	8,88	28,86	3,25	19,98
NOK 320	3,20	2,15	1,70	5,90	12,58	43,66	3,47	31,08
NOK 390	3,90	2,60	3,10	10,60	22,94	78,44	3,41	59,20
NOK 430	4,30	2,85	4,00	14,10	29,60	104,34	3,52	74,74
NOK 470	4,70	3,10	5,10	18,60	37,74	145,04	3,84	107,30
NOK 480	4,80	3,30	6,30	19,80	46,62	146,52	3,14	99,90
NOK 570	5,70	3,95	9,80	33,10	72,52	244,94	3,37	172,42
NOK 620	6,20	4,30	14,20	42,60	105,08	315,24	3,00	210,16
NOK 670	6,70	4,65	19,50	57,7	144,30	426,98	2,96	282,68

PACKING

Adapters **NOK** are packed in cardboard boxes or on pallets wrapped with shrinking wrap. Other forms of packaging are also available.

STORING AND TRANSPORT

Exothermic – insulating adapters **NOK** must be protected against moisture, so they must be transported only in covered vehicles. Adapters **NOK** must be stored in covered and enclosed spaces.

According to international agreement of dangerous substances, coverings **IZOLEX NOK** are not dangerous substances.

IZOLEX NOK

EKSOTERMNO - IZOLACIJSKI OBROČI - OBLOGE ZA NAPAVALNIKE

PROPERTIES

Rings **IZOLEX NOK – K** have density up to 0,8 kg/dm³. They react exothermally at the contact with melt and produce heat and also prevent heat loss of foundry feeders.

Appearance	red oval rings
Ignition temperature	220°C
Burning rate	12 s/cm
Moisture content	1% max