



# ERBA ISOLANTI srl

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DATA: Jan 10 <sup>th</sup> 08	<b>NOMEX T 450</b>  DU PONT META ARAMID FIBER FLOC	Codice FNX450
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		Gruppo B

## DESCRIPTION

Nomex<sup>®</sup> meta-aramid, (poly meta-phenylenediamine-isophthalamide) is a long polyamide chain in which most of amide linkages are attached directly to two aromatic rings. The meta oriented phenylene forms bends in a polymer chain, reducing chain rigidity as compared to the para orientation in the chemically similar, KEVLAR<sup>®</sup> brand, para-aramid fiber. This flexible polymer chain gives Nomex<sup>®</sup> more textile-like qualities while retaining high temperature properties similar to KEVLAR<sup>®</sup>.



## USE

Nomex<sup>®</sup> fiber is mostly used for filtration systems of high temperature air. In electromechanical constructions to fill cavities, to make custom made insulation pieces with epoxy or polyester resin. Good varnish and resin impregnation also because of its particular “dog bone” fiber cross section

## CHARACTERISTICS

- Fiber self-extinguishable and combustion retarding.
- Shrinkage at dry heat at 300°C for 15 min = 4 to 6 %.
- Shrinkage between room temperature and 250°C=0,9%.
- Can be continuously exposed to 260°C as keeps 65% of its resistance after 1000 H in the air at 260°C.
- Breaks up at 400-430°C – doesn't melt but carbonizes.

## AVAILABILITY

Unit are Kilograms.  
Poly bag of kg 30 of Nomex<sup>®</sup> Floc, in cartoon

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