

DURAFELT F110 200

TECHNICAL DATA SHEET.01 21/12/2016

DESCRIPTION: non-woven fabric of pre-oxidate fibres (PREOX).
 As a no flame material, it has good resistance to the fire, it doesn't drop, it has a low issue of smokes. Besides it has a good chemical resistance, particularly to the alkalis, diluted acids and solvents. It's ideal barrier to the fire and heat.

Also available with aluminium foil inside or outside and in the F (Fire Barrier) version FH 1000 coated.



DURAFELT ALL



DURAFELT F

COMPOSITION: 100% Preox Fibers

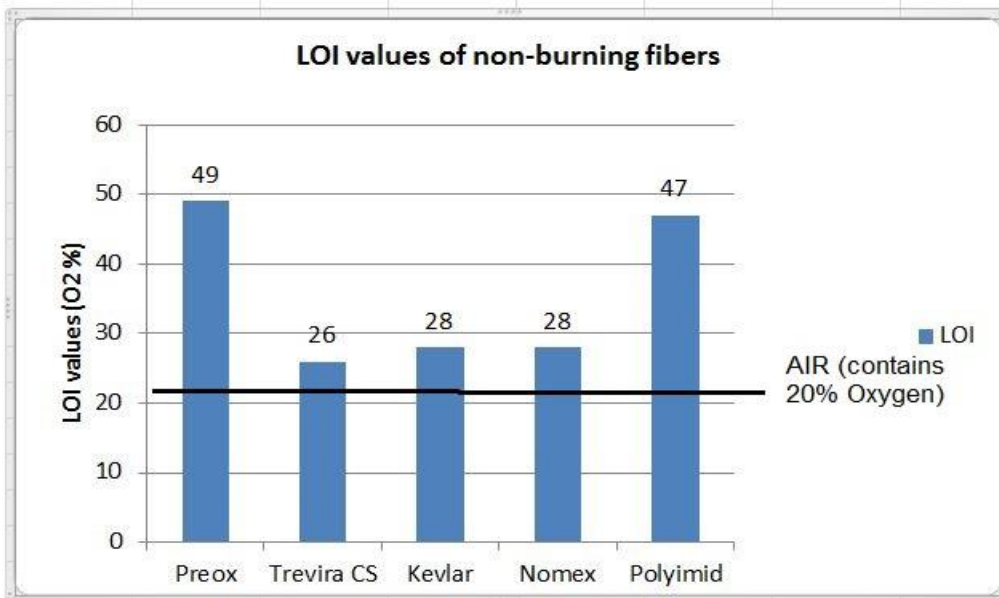
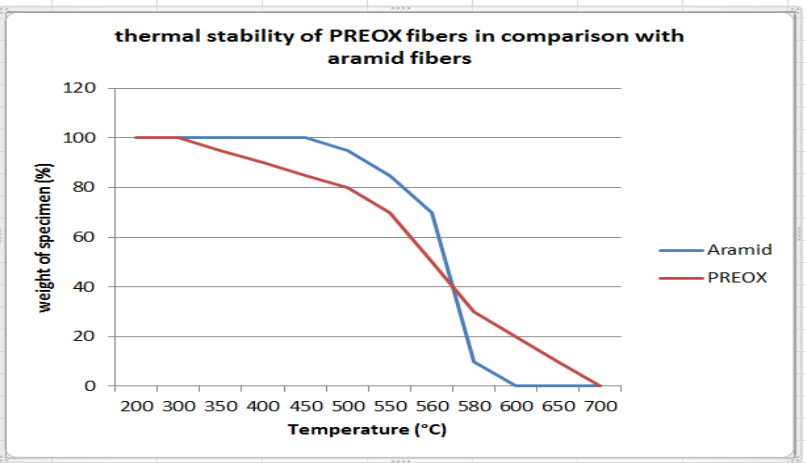
TEST	METHOD	STANDARD	TYPICAL VALUES
WEIGHT gr/m ²	BN01	UNI EN ISO 2286-2	160-200-500
THICKNESS mm	BN02	ISO 5084	2.4
BREAKING LOAD LONGITUDINAL kg/5cm	BN03	UNI EN 29073-3	MIN 2,5
BREAKING LOAD TRASVERSE kg/5cm	BN03	UNI EN 29073-3	MIN 3
ELONGATION AT BREAKING LONGITUDINAL %	BN03	UNI EN 29073-3	MAX 70
ELONGATION AT BREAKING TRASVERSE %	BN03	UNI EN 29073-3	MAX 70
COMBUSTION SPEED mm/min	BN35	ISO 3795	0
SMOKE CLASS	/	NF F 16-101	CLASS F3
FIRE REACTION CLASS	/	NF P 92 503	CLASS M1
THERMAL CONDUCTIVITY W/m ² K		UNI EN 12667:2002	20°C 0.0275 100 °C 0.0399
ELECTRICAL RESISTANCE			> 10 ⁸
WIDTH mm			1000-1100-1600
CHEMICAL RESISTANCE (loss)	%		50
Concentrated sulfuric acid after 2 hours immersion			No Degradation
Concentrated hydrochloric acid after 8 hours immersion			Complete Degradation
Concentrated nitric acid after 15 minutes			No Degradation
Concentrated sodium hydroxide after 8 hours			No Degradation

The above mentioned data are medium and indicative.

Properties and benefits of PREOX fiber:

- High LOI Value (Limiting Oxygen Index)
- Good fire behavior
- High electrical resistivity
- High mechanical strength
- High moisture absorbency
- Physiologically harmless
- Chemical composition (by weight)

C	60 to 65
N	20 to 22
O	12 to 16
H	2 to 5



The higher the LOI (Limiting Oxygen Index) value, the higher the flame resistance.