



INDUSTRIES 3R

MATERIAL SAFETY DATA SHEET

IDENTITY

Part Number: **NOMEX 100**
 Identity: Nomex[®] Fiber
 Description: Aramid Fiber

SUPPLIER

Industries 3R inc.
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COMPOSITION/INFORMATION ON INGREDIENTS

Solvents: N/A
 Metals or Alloys: N/A

PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---------------------------------------|-----------|-----------|
| Specific Gravity | 1.37 | 1.38 |
| Glass transition Point (°C) | 270 | |
| Carbinization (°C) | 400 | |
| Specific Heat at 20°C, (Kj/Kg°C) | 42 | |
| Conductivity At 50mhz | 60°C | 4.0 – 4.5 |
| | 180°C | 5.5 – 6.2 |
| Limiting Oxygen Index (%) | ≥ 28 | |
| Tensile Strength (g/de) | 3.5 – 6.0 | |
| Elongation (%) | ≥ 25 | |
| No. of Crimps (/inch) | 7~14 | |
| Dry Heat Shrinkage 300°C x 15 min (%) | ≤ 5 | |
| Moisture (%) | 6~10 | |

FIRE-FIGHTING MEASURES

Flash Temperature: N/A
 Exposition Limit: N/A
 Extinguishing Media: Water, carbon, Dioxide, Dry Chemical

75% of original strength is retained after exposure to dry-heat of 200°C for 1000 hours
 60% of original strength is retained after exposure to wet-heat of 120°C for 1000 hours
 Above 370°C the fiber will star to carbonize and decompose.

STABILITY AND REACTIVITY

This material exhibits very good resistance to many chemicals. It is resistant to most strong inorganic acid and shows excellent resistance to alkalis at room temperature.
 Conditions to avoid: Heating above 370°C will cause carbonise and decompose.
 Hazardous polymerization: Will not Occur.
 Conditions to avoid: N/A.

HAZARDS IDENTIFICATION

Toxicity: N/A
Irritation to Eyes: N/A
Irritation On Skin: N/A
Emergency And First Aid Procedures: Not Considered A Hazard

HANDLING AND STORAGE

Storage: Store containers in a dry and cool place
Keep away from any Dankish media
Handling: Be packaged into big bags (=150Kgs/bag) and avoid Dankish media.

TRANSPORT INFORMATION

Adr: Non – Hazardous Goods
Rid: Non – Hazardous Goods
Adnr: Non – Hazardous Goods
Imdg: Non – Hazardous Goods
Iata - C: Non – Hazardous Goods
Iata - P: Non – Hazardous Goods

OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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