

**Tynex[®] nylon filament**

Version 2.1

Revision Date 04.01.2013

Ref. 150000003637

The composition information contained in this document is provided to satisfy the requirements of Regulation (EC) No 1907/2006 (REACH), Article 33. Other information is provided voluntarily and is not subject to regulatory requirement.

Identification of the article and of the company/undertaking**Product identifier**

Product name : Tynex[®] nylon filament

Types : 0900HA, 0900HAM, 0900HAR, 0900HB, 0900HD, 0900HE, 0900HF, 0900HH, 0900HI, 0900HL, 0900HW, 0900MA, 0900MAL, 0900MAR, 0900MD, 0900MW, 0900SA

Recycling code : ISO 11469 : >PA612<

Synonyms : Tynex[®] nylon filament - TYNEX[®] Fine Filament[™] - TYNEX[®] heavy caliper filament

Relevant identified uses of the article and uses advised against

Use of the article : Synthetic fibre

Details of the supplier of the article information sheet

Company : DuPont Filaments-Europe B.V.
Minckelersstraat 8
NL-6372PP Landgraaf
Netherlands

Telephone : +31-45-532-9191

Telefax : +31-45-532-7948

Emergency telephone number

Emergency telephone number : +44-(0)8456-006.640

Hazards identification**Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

As an article the product does not need to be labelled in accordance with EC-directives or respective national laws.

Product information



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None.

Composition/information on ingredients

Identification of the article : Polyamide 6.12
 : Additives

Article composition

No dangerous components to be mentioned according to Regulations (EC) No. 1907/2006 and (EC) No. 453/2010.

First aid measures

Description of first aid measures

- General advice : Remove from exposure, lie down. Never give anything by mouth to an unconscious person. No hazards which require special first aid measures.
- Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Consult a physician after significant exposure.
- Skin contact : No hazards which require special first aid measures. Wash off with soap and water.
- Eye contact : Flush eyes with water as a precaution. Get medical attention immediately.
- Ingestion : No hazards which require special first aid measures. Drink water as a precaution. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Indication of any immediate medical attention and special treatment needed

Treatment : No specific intervention is indicated.

Firefighting measures

Extinguishing media

Suitable extinguishing media : Water, Foam, Dry chemical, Carbon dioxide (CO2)

Special hazards arising from the article

Specific hazards during firefighting : Not a fire or explosion hazard. Does not burn without an external flame. Under conditions giving incomplete combustion, hazardous gases produced may consist of: Carbon monoxide Carbon dioxide (CO2) (see also section "Stability and reactivity")

Advice for firefighters



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- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear suitable protective equipment.
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses. Burns after ignition without external heat source (IEC 60695-11-10 : HB).

Accidental release measures

Personal precautions, protective equipment and emergency procedures

- Personal precautions : Ventilate the area. Refer to protective measures listed in sections "Handling and storage" and "Exposure controls/personal protection". Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled.

Environmental precautions

- Environmental precautions : Try to prevent the material from entering drains or water courses. Do not contaminate surface water.

Methods and materials for containment and cleaning up

- Methods for cleaning up : Clean up promptly by sweeping or vacuum. Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Other information : Use mechanical handling equipment.

Reference to other sections

Not relevant for article

Handling and storage

Precautions for safe handling

- Advice on safe handling : General precaution for all plastics and elastomers: For personal protection see section "Exposure controls/personal protection" Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Floors, walls and other surfaces must be regularly cleaned. Wash hands before breaks and at the end of workday.
- Advice on protection against fire and explosion : Avoid dust formation in confined areas.
- Dust explosion class : no data available

Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : No special storage conditions required. Keep container tightly closed in a dry and well-ventilated place. Protect from contamination. Keep in an area equipped with sprinklers.

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Further information on storage conditions : none

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

Specific end use(s)

Not relevant for article

Exposure controls/personal protection

Control parameters

If sub-section is empty then no values are applicable.

Components with workplace control parameters

Type Form of exposure	Control parameters	Update	Basis	Remarks
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Dust (inhalable and respirable fraction)

TWA Inhalable dust.	10 mg/m3	12 2011	EH40 WEL	
TWA Respirable dust.	4 mg/m3	12 2011	EH40 WEL	

Exposure controls

Engineering measures : In cutting or grinding operations with this material, use local exhaust to control the concentration of dust below exposure limits.

Eye protection : When there is a potential for exposure:
Safety glasses with side-shields

Hand protection :
When there is a potential for exposure: Protective gloves (Type : Kevlar[®] - heat resistant, use possible until worn out) Leather gloves

Skin and body protection : Regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use.

Protective measures : No special protective equipment required.

Hygiene measures : Regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory equipment: Half mask with a particle filter FFP2/FFP3 (EN149)



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Physical and chemical properties

Information on basic physical and chemical properties

Form	: monofilament
Colour	: various
Odour	: none
pH	: not applicable
Melting point/range	: 207 - 215 °C
Flash point	: not applicable
Thermal decomposition	: > 265 °C
Density	: 1.04 - 1.08 g/cm ³ , Method: ISO 1183
Water solubility	: insoluble

Other information

Not relevant for article

Stability and reactivity

Reactivity	: Not relevant for article
Chemical stability	: Not relevant for article
Possibility of hazardous reactions	: Polymerization will not occur. Stable at normal temperatures and storage conditions.
Conditions to avoid	: Avoid heating for prolonged periods above the recommended upper processing limit.
Incompatible materials	: Strong acids and oxidizing agents
Hazardous decomposition products	: Ammonia Hydrogen cyanide (hydrocyanic acid) nitrogen oxides (NO _x) Aldehydes

Toxicological information

Information on toxicological effects

Further information

The product contains no substances which at their given concentration, are considered to be hazardous to health.



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Ecological information

Toxicity

Persistence and degradability

Not relevant for article

Bioaccumulative potential

Not relevant for article

Mobility in soil

Not relevant for article

Results of PBT and vPvB assessment

Not relevant for article

Other adverse effects

Additional ecological information

The product contains no substances classified as hazardous to the environment in concentrations which should be taken into account.

Disposal considerations

Waste treatment methods

Product : Like most thermoplastic plastics the product can be recycled. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Can be landfilled, when in compliance with local regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other information

Other information : This document is for information only, provided voluntarily and not subsequent to regulatory requirement.
This product is excluded as an article.

Restrictions on use



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Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of the DuPont POLICY Regarding Medical Applications H-50103-3 and DuPont CAUTION Regarding Medical Applications H-50102-3.

Further information

An Exposure Scenario (ES) is not required., Before use read DuPont's safety information.

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Significant change from previous version is denoted with a double bar.

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