NYLON SYRINGES

📝 DESCRIPTION

Nylon Syringes are high-strength, lightweight, reusable syringes made from durable nylon plastic. They are commonly used in veterinary, laboratory, agricultural, and industrial applications where repeated use, chemical resistance, and long service life are required. These syringes offer smooth plunger movement, precise dosing, and high durability compared to regular disposable syringes.

📐 SPECIFICATION

- **Material:** High-strength nylon polymer
- **Barrel Type:** Rigid, transparent or semi-transparent
- **Plunger:** Nylon plunger with rubber or silicone gasket
- **Graduations:** Permanent, easy-to-read markings
- **Tip Style:** Luer slip / Luer lock / catheter tip (varies by model)
- **Capacity Range:** 1 ml to 100 ml (depending on size)
- **Reusability:** Reusable after proper cleaning
- **Durability:** High impact resistance and chemical resistance
- **Temperature Tolerance:** Suitable for warm/cold fluids

📏 SIZES

Common sizes include:

- 1 ml
- 3 ml
- 5 ml
- 10 ml
- 20 ml
- 30 ml
- 50 ml
- 100 ml

🔶 SHAPES & TYPES

- Standard nylon syringes
- Nylon veterinary syringes
- Nylon dosing syringes
- Nylon catheter-tip syringes
- Nylon oral/feeding syringes
- Nylon high-pressure syringes

🧵 MATERIAL TYPES

- Pure nylon polymer (high strength)
- Nylon with silicone gasket
- Nylon with rubber piston seal
- BPA-free medical-grade nylon

📦 CATEGORY

- Medical Consumable Equipment
- Veterinary Injection & Dosing Tools
- Laboratory Measuring Devices
- Agricultural & Industrial Applicators

📄 PRODUCT FORM

- Reusable nylon syringe (non-sterile when supplied)
- Without needle (most models)
- Plunger + barrel + gasket construction

🛠️ USAGE

Human Application:

- General measuring and dispensing (non-clinical)
- Laboratory fluid handling
- Non-invasive applications (not for injection unless approved)

DOTCOM PHARMA

Veterinary Application:

- Administering medication to animals
- Dosing and oral feeding
- Vaccine delivery (with compatible needle)
- Milking & breeding industry fluid dispensing
- Large and small animal use

Other Applications:

- Laboratory chemical handling
- Agriculture dosing (pesticides, dewormers)
- Industrial fluid dispensing
- Food industry measuring tasks

⭐ ADVANTAGES

- Highly durable and reusable
- Resistant to chemicals and impact
- Smooth plunger action for accurate dosing
- Clear or semi-clear barrel for visible measurement
- Cost effective for long-term use
- Lightweight and ergonomic

⚠️ DISADVANTAGES

- Must be cleaned properly for reuse
- Not suitable for autoclave (may warp depending on nylon grade)
- Limited sterility compared to disposable syringes
- Some chemicals may damage seals if overexposed

🚫 PRECAUTIONS

- Do not use if plunger becomes stiff or damaged
- Avoid high heat unless the nylon is autoclave-rated
- Ensure thorough cleaning after each use
- Use only with compatible needles (if applicable)

DOTCOM PHARMA

📦 HANDLING DETAILS

- Rinse immediately after use
- Move plunger gently to avoid seal damage
- Store in a cool, dry, dust-free container
- Keep away from sharp objects that may scratch the barrel
- Lubricate plunger lightly if recommended by manufacturer

🧼 STERILISATION DETAILS

- Most nylon syringes: **NOT autoclavable** unless specified
- Can be cleaned using:
    - Warm water + mild disinfectant
    - Alcohol wipes
    - Enzymatic cleaners
- Air dry completely before reuse
- Do not boil unless manufacturer approves

🌐 HS CODE (Harmonized System Code)

HS Code: 9018 – Medical, surgical, dental, veterinary instruments & appliances.

🌐 HSN CODE (India)

HSN Code: 9018.31 – Syringes (with or without needles).

❓ FAQ (Frequently Asked Questions)

1. Are Nylon Syringes reusable?

Yes, they are specifically made for repeated use with proper cleaning.

2. Can Nylon Syringes be used for injections?

Yes, in veterinary practice and if compatible needles are used, but clinical use depends on manufacturer approval.

3. Are they autoclavable?

Some are, but many nylon models are **not** autoclavable unless labelled heat-resistant.

4. Can they be used for feeding animals?

Yes, they are commonly used for dosing, feeding, and oral medication.