



# danuTips for Enteral Care



## How Polyurethane and TRITAN™ Are Advancing Enteral Devices

In the medical devices industry, excellence and innovation are paramount. We prioritize using top-tier materials to ensure product longevity and safe application.

### Polyurethane (PU)

We choose Polyurethane over PVC for the tubing in our danumed® Extension Sets due to its exceptional qualities:

- ✓ **High biocompatibility:** PU is a biocompatible material, reducing the risk of adverse reactions and irritation, and making it ideal for long-term use.
- ✓ **No need for plasticizers:** Unlike PVC, PU remains flexible and soft without harmful plasticizers like phthalates, preventing potential health risks for patients.
- ✓ **Resistance to kinking:** PU tubes are less likely to kink which is crucial for maintaining a consistent flow in enteral feeding.
- ✓ **Durability and flexibility:** PU retains its flexibility and elasticity over time while offering excellent tensile strength and elongation.
- ✓ **Enhanced flow range:** PU tubes have thinner walls than PVC tubes, allowing for a larger inner diameter and enhanced flow area for enteral feeds.
- ✓ **Patient comfort:** PU's softness and flexibility provide superior comfort, particularly for long-term or sensitive applications.

Polyurethane (PU) →

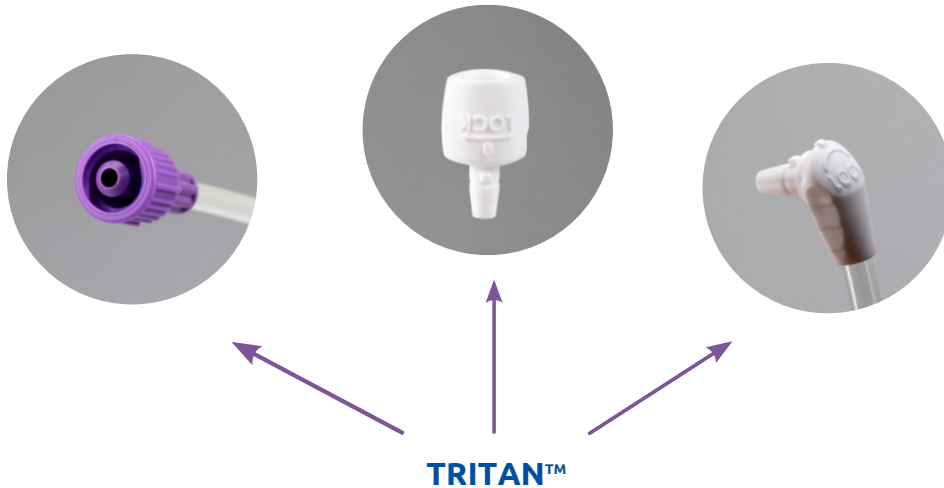




## TRITAN™

TRITAN™ is our material of choice for the core pieces of our enteral connectors because:

- ✓ **Durability:** It's a lightweight, robust plastic known for its resistance to aggressive solutions and medicines.
- ✓ **Stress crack resistance:** TRITAN™ reduces the risk of stress cracks, supporting break-resistant use.
- ✓ **Structural integrity:** It can withstand the rigors of daily use without compromising the device's structural integrity.



By carefully selecting materials like TRITAN™ and Polyurethane, we enhance the reliability, safety, and longevity of our danumed® products. These choices are crucial to protecting the health of vulnerable patients who depend on safe enteral applications for their nutritional and medical needs.

**Disclaimer:** This information is not a substitute for professional medical care. In case of problems, complications, or questions, always contact your medical professional.

**References:**

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