

**Onyx<sup>®</sup> LES**  
Liquid Embolic System

**the advantage of time.**

**the power of control.**

**Onyx<sup>®</sup> Liquid Embolic System is an EVOH co-polymer designed to provide full penetration and complete packing for the presurgical embolization of brain AVMs.**

**Onyx<sup>®</sup> is a liquid embolic agent that allows for:**

- A slow controlled injection and delivery method.
- The ability to stop and start the injection.
- Cohesive deposition and delivery.
- Excellent visibility.
- Control angiography during embolic injection.
- Excellent surgical handling characteristics.



# Onyx<sup>®</sup> Liquid Embolic System

PRODUCT NUMBER

ORDERING NUMBERS

Onyx 18

105-7100-060

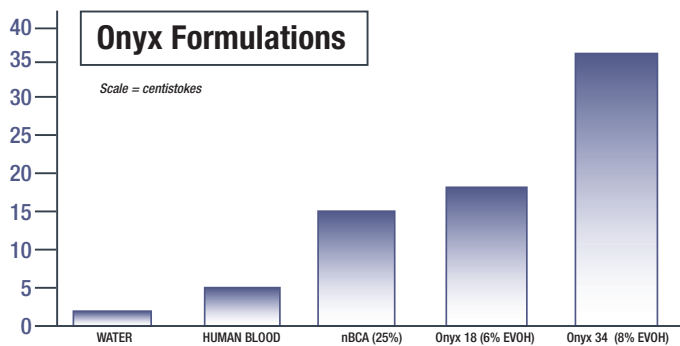
Onyx 34

105-7100-080

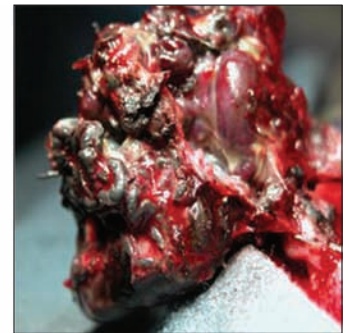
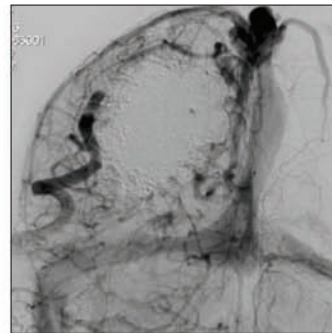
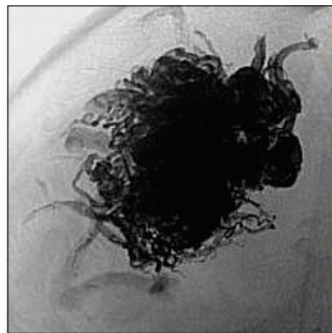
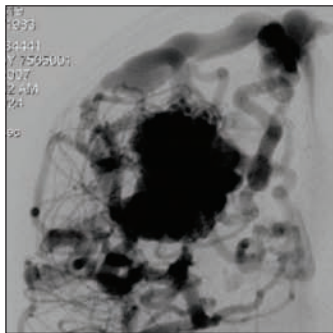
## TECHNICAL OVERVIEW:

*Onyx consists of the following components:*

- EVOH (ethylene vinyl-alcohol copolymer): The embolic material
- DMSO (dimethyl-sulfoxide): The solvent for liquid delivery of EVOH
- Micronized tantalum powder: For radiographic visualization



Viscosity Doubles Between Onyx 18 (6%) to Onyx 34 (8%)



## Packaging:

*One Onyx kit contains the following:*

- 1.5 mL vial of Onyx 18 or Onyx 34
- 1.5 mL vial of DMSO
- ev3 1 mL delivery syringes
  - 2 white for Onyx
  - 1 yellow for DMSO

## Micro Catheter Compatibility:

Onyx must be used with compatible catheters. Based on ev3 bench testing, the recommended catheters include:

- Marathon<sup>™</sup> Micro Catheter
- UltraFlow<sup>™</sup> Micro Catheter
- Echelon<sup>™</sup> Micro Catheter
- Rebar<sup>™</sup> Micro Catheter

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician. **CONTRAINDICATIONS:** The use of Onyx LES is contraindicated when any of the following conditions exist: 1. When optimal catheter placement is not possible; 2. When provocative testing indicates intolerance to the occlusion procedure; AND 3: When vasospasm stops blood flow. **WARNINGS:** Serious, including fatal, consequences could result with the use of the Onyx LES without adequate training. Contact your ev3 Sales Representative for information on training courses.

Onyx is a registered trademark of ev3 Inc.

Marathon, UltraFlow, Echelon and Rebar are trademarks of ev3 Inc.

### NEUROVASCULAR | PERIPHERAL VASCULAR

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