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## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

**Product Name:** Nylon Filament

**Product Description:** Black, White Filament

**Part Number(s):** 3PIEDF45AB, 3PINBP45JB

**Catalog Number(s):** DF45-NYP-B-02, DF45-NYP-B

**Date of issue/Revision Date:** August 29, 2022

**Manufacturer/Distributor:**

3PI Tech Solutions  
5600 River Rd, Suite 800,  
Rosemont, IL 60018

**For More Information, Call:**

(Monday-Friday, 8:00 AM– 5:00 PM CST)  
Dremel Customer Service  
**(844) 437-6533**

**In Case of Emergency, Call:**

(24 Hours/Day, 7 Days/Week)  
**(877) 303-0891**

### SECTION 2: HAZARDS IDENTIFICATION

<b>Adverse Human Health Effects:</b>	None
<b>Environmental Effects:</b>	None
<b>Physical and Chemical Hazards:</b>	None
<b>Special Hazards:</b>	None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Nature:** Modified Nylon for 3D printing

**CAS Number:** 24993-04-2

**Additional Information:** No harmful substances used.

### SECTION 4: FIRST AID MEASURES

**Inhalation:**

In case of gases evolving from molten resin, bring the affected person to fresh air. Call a physician immediately in case of discomfort.

**Skin Contact:**

In case of contact with molten material, immediately wash the skin with plenty of cold water. See a physician for removal of adhering material.

**Eye Contact:**

If molten material contacts the eye, rinse immediately with plenty of water for at least 15 minutes. Call a physician immediately.

**Ingestion:**

Induce vomiting with medical advice. Rinse mouth with water. Seek medical advice if discomfort occurs.

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### SECTION 5: FIREFIGHTING MEASURES

**Extinguishing Media:**

Water, Foam, Dry chemical powder

**Fire and Explosion Hazards:**

None

**Special Fire-Fighting Procedure:**

Minimize dust generation and accumulation

**Special Protective Equipment:**

Wear self-contained breathing apparatus and full protective clothing

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

Wear appropriate personal protective equipment.

**Environmental Precautions:**

Prevent entry into surface water or drainage systems.

**Methods for Cleaning up:**

Sweep up and shovel into suitable containers for disposal.

### SECTION 7: HANDLING AND STORAGE

**Handling:**

Avoid contact with molten material. Use personal protective equipment.

**Storage:**

Keep cool. Protect from water, moisture and direct sunlight. Avoid all sources of ignition.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Controls:**

Provide appropriate exhaust ventilation at places where dust is formed.

**Personal Protective Equipment:**

Skin Protection: Wear protective clothing, when handling hot molten product.

Hand Protection: Wear protective gloves, when handling hot molten product.

Eye Protection: Wear protective glasses.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Monofilament
<b>Density:</b>	1.13g/cm <sup>3</sup>
<b>Melting Point:</b>	190°C-200°C
<b>Solubility:</b>	Insoluble in water

### SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:**

Stable under recommended storage conditions.

**Reactivity:**

None expected under conditions of normal use.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Irritation:**

Fumes generated from decomposing resin may be irritant to eyes.

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### SECTION 12: ECOLOGICAL INFORMATION

**Persistence and Degradability:**

Non-degradable.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Methods:**

Dispose of waste and residues in accordance with local authority requirements.

### SECTION 14: TRANSPORT INFORMATION

Not regulated.

### SECTION 15: REGULATORY INFORMATION

Not available.

### SECTION 16: OTHER INFORMATION

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