

[Product Catalog for Government Solutions](#) > [Emergency Preparedness, Response & Recover](#) > [3. Emergency Recovery](#) > [Restoration & Rebuilding](#) > [3M™ Adhesives](#) > [3M™ Jet-melt™ Adhesive 3748](#) >

## 3M™ Scotch-Weld™ Hot Melt Adhesive 3748-TC Off-White, 5/8 in x 2 in, 11 lb case



A high performance hot melt adhesive for bonding many plastics including polyethylene and polypropylene. It has excellent thermal shock, good heat resistance, good electrical properties, and it is non-corrosive to copper. Designed for use through 3M™ Scotch-Weld™ Hot Melt Applicator, TC.

GTIN(UPC/EAN) : 0 00 21200 82584 2

3M Id : 62-3748-9830-2

### Characteristics

<b>Color</b>	Off-White
<b>Product Form</b>	Pound
<b>Trademark Name 1</b>	3M
<b>Trademark Name 2</b>	Scotch-Weld

[Product Catalog for Oil and Gas Industry Markets](#) > [Pipe and Pipelines](#) > [3M™ Scotchkote™ Pipeline Protection Products](#)

## 3M™ Scotchkote™ Pipeline Protection Products

### Additional Information

Major oil and gas companies around the world have selected Scotchkote coatings to be their primary corrosion defense for protecting their pipeline investment. Scotchkote fusion bonded epoxy coating is tough. Durable. Field-proven. It's more than just a superior pipe coating - it's a vital element in the gas and oil pipeline network.

Scotchkote fusion bonded epoxy coating has proven so reliable, in fact, that more than 62,000 miles (100,000 km) of pipe treated with Scotchkote coating has been installed throughout the world. Typical pipeline applications include internal and external coatings for natural gas, petroleum, water and sewage, as well as pipe systems for refineries, petrochemical plants, power plants and paper mills.

#### Worry-Free Service From Day One:

From the moment a pipe is coated with our Scotchkote™ fusion bonded epoxy coating and installed in the ground or in the sea, maximum corrosion protection is assured. The unique chemical characteristics of our coating are carefully engineered for optimum protection of metal - even in the harshest environments: saltwater, wastewater, petrochemicals and corrosive gases. Scotchkote fusion bonded epoxy coating protects against soil stress, bacteria and fungus attack, soil acids, alkalis - all the corrosive elements associated with underground or underwater use. The coating's excellent physical properties minimize damage during transit, installation and operation. It requires very low levels of cathodic protection, even after extended periods of time.

#### The Features You Demand:

- Resists cathodic disbondment
- Helps keep protective current density requirements low
- Good chemical resistance
- High adhesion and toughness
- Balanced application characteristics for all pipe sizes and types
- Can be machined by grinding or cutting to meet tolerance requirement
- Easy visual inspection of coating articles
- Can be painted with alkyd paint, acrylic lacquer, acrylic enamel, or moisture curing polyurethane for color coding and UV protection
- Will not sag, cold flow or become soft in storage
- Lightweight for lower shipping costs
- Long-term storage under most climatic conditions
- Protects over normal service temperature range
- Resists direct burial soil stress
- Resists abrasive action of light slurries
- Long-term performance in varying service environments

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## 3M™ Scotch-Weld™ Hot Melt Adhesive 3748-TC Off-White, 5/8 in x 2 in, 11 lb case

### Packaging

**3M Id:** 62-3748-9830-2

**Minimum Order Quantity:** 11.0 LBS

**Case Quantity:** 11.0 LBS

	English	Metric
Length	11.4 INCH	0.290 MTR
Width	8.2 INCH	0.208 MTR
Height	7.2 INCH	0.183 MTR
Gross Weight	11.7710 LBS	5.3392 KG



## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M(TM) Scotch-Weld(TM) Hot Melt Adhesive 3748-PG / 3748-TC / 3748-TCJ-Q / 3748-Q / 3748-B / 3748-AE

**MANUFACTURER:** 3M

**DIVISION:** Industrial Adhesives and Tapes Division

**ADDRESS:** 3M Center  
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

**Issue Date:** 12/05/2008

**Supersedes Date:** 03/06/2006

**Document Group:** 10-9990-2

#### Product Use:

Intended Use: hot-melt adhesive

Specific Use: hot melt adhesive

### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
POLYPROPYLENE	9003-07-0	15 - 40
HYDROCARBON RESIN	69430-35-9	10 - 30
STYRENE-BUTADIENE POLYMER	Trade Secret	10 - 30
ETHYLENE-PROPYLENE POLYMER	9010-79-1	5 - 25
POLYETHYLENE	9002-88-4	5 - 20
POLYOLEFIN WAX	Mixture	7 - 13

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Waxy Solid

**Odor, Color, Grade:** off-white, mild resinous odor

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** May cause thermal burns.

Autoignition temperature	626 °F
Flash Point	536 °F [ <i>Test Method:</i> Cleveland Open Cup]
Flammable Limits - LEL	<i>Not Applicable</i>
Flammable Limits - UEL	<i>Not Applicable</i>

## 5.2 EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

## 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Not applicable.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Reclaim undamaged product. Collect as much of the spilled material as possible.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

Avoid skin contact with hot material. Keep out of the reach of children.

### 7.2 STORAGE

Store under normal warehouse conditions.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Not applicable. Use in a well-ventilated area.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Avoid eye contact.

The following eye protection(s) are recommended: Indirect Vented Goggles.

#### 8.2.2 Skin Protection

Wear appropriate gloves, such as Nomex, when handling this material to prevent thermal burns. Avoid skin contact with hot material.

**8.2.3 Respiratory Protection**

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

**8.2.4 Prevention of Swallowing**

Not an expected route of exposure.

**8.3 EXPOSURE GUIDELINES**

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
POLYOLEFIN WAX	ACGIH	TWA, as fume	2 mg/m3	
POLYOLEFIN WAX	OSHA	TWA, as fume	2 mg/m3	Table Z-1A
POLYPROPYLENE	CMRG	TWA, as respirable dust	5 mg/m3	
POLYPROPYLENE	CMRG	TWA, as total dust	10 mg/m3	

**SOURCE OF EXPOSURE LIMIT DATA:**

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline

OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific Physical Form:</b>	Waxy Solid
<b>Odor, Color, Grade:</b>	off-white, mild resinous odor
<b>General Physical Form:</b>	Solid
<b>Autoignition temperature</b>	626 °F
<b>Flash Point</b>	536 °F [ <i>Test Method:</i> Cleveland Open Cup]
<b>Flammable Limits - LEL</b>	<i>Not Applicable</i>
<b>Flammable Limits - UEL</b>	<i>Not Applicable</i>
<b>Boiling point</b>	<i>Not Applicable</i>
<b>Density</b>	0.92 - 0.94
<b>Vapor Density</b>	Nil
<b>Vapor Pressure</b>	Nil
<b>Specific Gravity</b>	0.92 - 0.94 [ <i>Ref Std:</i> WATER=1]
<b>pH</b>	<i>Not Applicable</i>
<b>Melting point</b>	<i>No Data Available</i>
<b>Solubility in Water</b>	Nil
<b>Evaporation rate</b>	<i>Not Applicable</i>
<b>Volatile Organic Compounds</b>	<i>Not Applicable</i>
<b>Percent volatile</b>	0 % weight
<b>VOC Less H2O &amp; Exempt Solvents</b>	<i>No Data Available</i>
<b>Viscosity</b>	4,000 - 6,000 centipoise [@ 190 °C]

**SECTION 10: STABILITY AND REACTIVITY**