



**Document Library**  
**Technical Data Sheet 05815 (One quart); 05816 (one gallon)**

**Public**

Rev:1

Status: Active

Effective: 04/06/2007

## 3M™ Short Strand Fiberglass Reinforced Filler

### Data Sheet

<b>3M Part No.(s)</b>	<b>3M Part Descriptor(s)</b>
05815 (One quart) 05816 (one gallon)	3M™ Short Strand Fiberglass Reinforced Filler

3M Fax on Demand Identification Number : 05816

#### Description

Two component resin rich filler formula, containing short fiberglass strands.

#### Features, Advantages, Benefits

<b>Features</b>	Fiberglass strands Resin gel formula Water resistant
<b>Advantages</b>	High strength Sag resistant Weathering durability
<b>Benefits</b>	SMC/Fiberglass crack repair Excellent fill, high build Very durable

#### Typical Physical Properties

<b>Container</b>	Metal can	Plastic tube
<b>Base</b>	Polyester Resin, Styrene Monomer	Benzoyl Peroxide
<b>Density lbs/Gallon (Appx.)</b>	13.6 Lbs/Gallon	10 Lbs/Gallon
<b>Color</b>	Green	Red
<b>Flash Point - °F</b>	89 F	N/A
<b>Viscosity (CPS) Brookfield Viscometer</b>	1,000,000 - 1,400,000 cps @2.5rpm	N/A
<b>Consistency</b>	Homogenized fibrous paste	Viscous paste
<b>Service Temperature - °F</b>	-20F to 175F	N/A
<b>Propellant</b>	N/A	N/A

#### Product Uses

Designed to be used as a reinforcement material during the repair of holes, cracks, or tears in Metal, SMC, and Fiberglass panels. 3M™ Long Strand Fiberglass Reinforced Filler offers excellent sag resistance and high build and gap spanning characteristics.

---

## Performance Properties

<b>Sanding Time:</b>	20 minutes @ 77F
<b>Shore D Hardness:</b>	10 Min. 40 +-5, 20 Min. 55 +-5 30 Min. 63 +-5 60 Min. 70 +-5 24 hour 78 +-5
<b>Lap Shear Aluminium to Aluminium:</b>	ASTM D3163 1200 + - 100PSI
<b>Lap Shear Steel to Steel:</b>	ASTM D3163-84 1450 + - 100PSI
<b>Tensile Strength:</b>	ASTM D638-82 2100 + - 100PSI
<b>Shrinkage:</b>	Less than 0.35%
<b>Minimum hardener:</b>	1.5%
<b>Maximum hardener:</b>	2.75%

## Handling and Application Information

---

### Directions for Use

1. Grind clean surfaces with a grade 36 3M™ abrasive (such as Roloc™).
2. Apply the required amount of 3M™ Long Strand Fiberglass Reinforced Filler to a clean mixing surface. Do not use discarded cardboard. Apply a 1.5 inch long strip of creme hardener to golf ball-sized amount of filler.
3. Mix filler and creme hardener thoroughly, to a uniform color.
4. Apply mixed filler to surface, being sure to "wet out" the surface completely. Apply additional filler in layers, building up the damaged area higher than the surrounding surface. Allow curing time of 20 minutes.
5. Sand or grind to contour with grade 36 - 80 3M™ abrasives.
6. Apply a body filler such as 3M™ Zebra™ Advanced Lightweight Filler to achieve final shape and feathered edge

---

### Applications

Designed to be used as a reinforcement material during the repair of holes, cracks, or tears in Metal, SMC, and Fiberglass panels. 3M™ Long Strand Fiberglass Reinforced Filler offers excellent sag resistance and high build and gap spanning characteristics.

---

### Storage and Handling

#### HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep out of the reach of children. Keep container closed when not in use. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial or professional use only. Avoid eye contact with dust or airborne particles.

#### STORAGE

Store in a dry area at 65-80 deg F for optimal shelf life. Shelf life: one year from date of manufacture

---

### Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product  
05816

### Country

US

**This document is public. It may be distributed.**

---

### Warranty and Limited Remedy

This product will be free from defects in material and workmanship at the time of shipment. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If this product is defective, your exclusive remedy and 3M's and seller's sole obligation shall be, at 3M's option, to replace the product or refund the purchase price.

**LIMITATION OF LIABILITY:** 3M and seller will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

---

**For Additional Health and Safety Information**

3M Automotive Aftermarket Division

3M Center, Building 223-6N-01

Saint Paul, MN 55144-1000

1-877-666-2277 (1-877-MMM-CARS)

Material Safety Data Sheets and Technical Data Sheets are also available by calling Fax on Demand 1-800-305-0419.  
Help Line 1-800-621-5455 (US) 1-650-596-4407 (International).

**3M Fax on Demand/MSDS Identification Number** 05816

**Author:** Dennis R. Keicher/US-Corporate/3M/US

**Modifiers:** Dennis R. Keicher/US-Corporate/3M/US

**This is the last page**