

3M™ Gripping Material



Hold it right there

From handles and shafts to work gloves...
grip lighter, hold tighter even in slippery conditions



3M™ Gripping Material

On one side of 3M™ Gripping Material... **thousands of gripping fingers**. On the other side, 3M **high performance pressure sensitive acrylic adhesive** that sticks on contact and stays there with even low surface energy plastics, such as polyethylene and polypropylene and powder coated metal. Plain-backed and molded versions are also available.

End result... **fast, easy way to enhance traction on handles and shafts** in products and equipment where getting a grip is a performance advantage. Workers, athletes, do-it-yourselfers, homemakers, and others keep a sure hold with a less-fatiguing, lighter grip. And less fatigue equals potential for increased productivity on the job or at play.

Performance features at a glance –

- Increases friction to reduce slippage even in wet or oily conditions
- Immediate release when the hand lets go
- Abrasion and puncture resistance for tough use in a factory or on a field
- Water and oil resistance for secure attachment
- Performs across a broad temperature from -40 to 160°F (-40 to 71°C) indoors and out
- Washable

Application features at a glance –

- Adhesive-backed version sticks on contact to most materials as quickly and easily as tape
- Plain-backed version can be sewn to fabric and leather
- Ready-to-use molded grips can be slipped over handles and shafts
- All are soft and flexible to conform smoothly to curves and contours

Get a grip on applications



- Kayak and canoe paddle shafts
- Lawn mower handlebars
- Bicycle, ATV, and motorcycle handle bars
- Ship
- Therapeutic medical equipment grips
- Snow ski poles
- Snowblower handlebars
- Bow grip
- Tennis racquet

Sure hold with less fatigue



- Work and sports glove palms and fingers (double grip strength when handle is also covered)
- Manual, power, and pneumatic tool handles and grips for industrial professionals and do-it-yourselfers
- Golf club grip
- Steering wheels for construction equipment, tractors, and forklifts
- Lawn and garden



in many markets

- Industrial, utilities, and facilities
- Water ski tow line handlebar
- Onboard handrails
- Exercise and
- Grips
- Portable microphone
- Jet handle
- And more

Versatile application... adhesive-backed, plain-backed, or molded



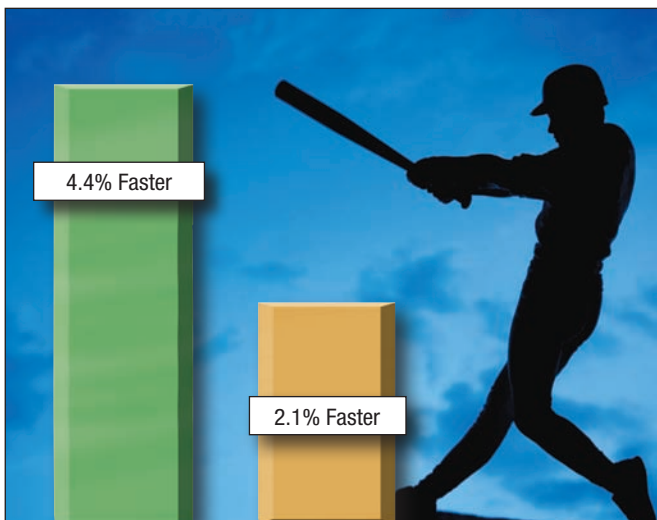
At Work	At Play	At Home
<ul style="list-style-type: none"> • Work gloves • Industrial tool handles and levers • Automotive and construction hand tools • Construction equipment steering wheels and levers • Truck, forklift and auto steering wheels • Handrails 	<ul style="list-style-type: none"> • Bat wraps • Baseball batting gloves • Golf club gloves and grips • Water ski gloves and equipment • Snow ski gloves and equipment • Racquetball gloves and grips • Bicycle handlebars and gloves • Fishing rods • Automotive racing steering wheel and gloves 	<ul style="list-style-type: none"> • Power tools • Garden tools • Lawn care equipment • Snow blowers • Medical assistive and therapeutic products • And more

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Product	Backing	Color	Thickness mils (mm)	Weight oz/yd ² (g/m ²)	Optimum Useable Temperature Range °F (°C)
GM 110	Nylon knit for sew-on applications	Black	33 (0.8)	10.7 (366)	-40 to 160 (-40 to 71)
GM 400	Acrylic pressure sensitive adhesive	Black	33 (0.8) without liner	12.9 (440) without liner	-40 to 160 (-40 to 71)

Increase in bat speed compared to leather glove/leather grip



3M™ Gripping Material glove on 3M™ Gripping Material grip versus Leather glove/Leather grip

Leather glove on 3M™ Gripping Material grip versus Leather glove/Leather grip

University of MN Adjunct Professor Paul E. Cassidy, Ph.D., led a 3M-sponsored study that looked at the performance of 19 NCAA Division II varsity baseball players at Concordia University. The study investigated the impact of various combinations of gloves and grips on bat speed, grip exertion, and perceptions of grip force and friction.

Findings:

- Bat speed increased 4.4% for players using batting gloves made with 3M™ Gripping Material
- Fly ball distance increased 16.6' for players using the batting gloves and 3M™ Gripping Material on the bat grip
- Players using 3M™ Gripping Material on batting gloves perceived significantly better grip friction (compared to a leather glove) and a reduction in the grip force necessary to swing an aluminum baseball bat
- In wet/dry conditions, friction improved 43% compared to a leather batting glove/leather grip
- In wet conditions, 3M™ Gripping Material system has better friction than the leather batting glove/leather grip system does in dry conditions

Note: All technical information and data should be considered representative or typical only and should not be used for specification purposes.

For additional information on molded grips, please contact your 3M sales representative.

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Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 . 877-369-2923 (Fax)
www.3M.com/fasteners

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