



## Improve Productivity and Reliability

### Technomelt® “one-step” process reduces cycle times.

Technomelt® Molding offers a gentle encapsulation process with adhesive molding compounds to achieve the ultimate seal and robust “molded-on protection.”

- Replaces both the housing and potting in one operation.
- Shorter cycle times (15-45 seconds) and reduced number of operations.
- Reduced molding material consumption.
- Complete sealing of the components, providing watertight encapsulation.
- Effective strain relief and environmental resistance.
- Safe encapsulation of fragile components.

### Technomelt® Applications

- Cable transitions
- Wire harnesses
- Sensors
- Connectors
- Grommets
- Switches
- Batteries

### Technomelt® Advantages

- Complete watertight encapsulation
- Effective strain relief
- Simple and clean process
- Shorter cycle times (15–45 seconds)
- Reduced number of operations
- Design flexibility and part configuration
- Low capital equipment cost
- Safe one-component product, UL 94 VO Approved
- Low-pressure, high-speed molding for fragile/delicate components





# Technomelt® Molding Products

## Polyamide – Increased Hardness

PRODUCT	ITEM NUMBER	DESCRIPTION	COLOR	PERFORMANCE TEMPERATURE	SHORE A HARDNESS	SOFTENING POINT
Technomelt® PA 7841™	1762906	Moldable polyamide where strength and hardness are needed, such as in memory sticks and computer connectors.	Amber	-40°F to 266°F (-40°C to 130°C)	92	347°F ± 41°F (175°C ± 5°C)
Technomelt® PA 7846™ Black	1764113		Black			
Technomelt® PA 7848™ Black	1764108	UV stability and suitable for outdoor applications.	Black	-40°F to 266°F (-40°C to 130°C)	93	347°F ± 41°F (175°C ± 5°C)

## Polyamide – High Temperature Resistance

PRODUCT	ITEM NUMBER	DESCRIPTION	COLOR	PERFORMANCE TEMPERATURE	SHORE A HARDNESS	SOFTENING POINT
Technomelt® PA 7873™	1763724	Moldable polyamide with good adhesion for higher temperature applications, such as in an automotive underhood.	Amber	-40°F to 284°F (-40°C to 140°C)	90	367°F ± 41°F (187°C ± 5°C)
Technomelt® PA 7878™ Black	1762904		Black			

## Polyamide – Adhesion to Plastics

PRODUCT	ITEM NUMBER	DESCRIPTION	COLOR	PERFORMANCE TEMPERATURE	SHORE A HARDNESS	SOFTENING POINT
Technomelt® PA 7833™	1762931	Moldable polyamide with service temperature up to 257°F (125°C), such as in an automotive firewall.	Amber	-40°F to 266°F (-40°C to 130°C)	90	347°F ± 41°F (175°C ± 5°C)
Technomelt® PA 7838™ Black	1762953		Black			
Technomelt® PA 7852™	1762908	Moldable polyamide where excellent adhesion and cold temperature flexibility are important, such as in an automotive exterior. Also used extensively in white goods.	Amber	-40°F to 212°F (-40°C to 100°C)	77	315°F ± 41°F (157°C ± 5°C)
Technomelt® PA 7857™ Black	1762909		Black			
Technomelt® PA 7808™	1762932	Moldable polyamide with excellent adhesion to tough substrates. Great flexibility offers incredible strain relief on cables and wires. Ideal for encapsulation of heat-producing components in appliance and consumer electronics. UL RTI 203°F (95°C).	Amber	-40°F to 230°F (-40°C to 110°C)	78	311°F ± 41°F (155°C ± 5°C)
Technomelt® PA 7808™ Black	1762910		Black			

## Polyolefin – Excellent Adhesion to Metals, Plastics, Tough Surfaces

PRODUCT	ITEM NUMBER	DESCRIPTION	COLOR	PERFORMANCE TEMPERATURE	SHORE A HARDNESS	SOFTENING POINT
Technomelt® AS 7875™	1762907	Moldable polyolefin for demanding moisture and solvent resistance. Excellent adhesion to the most difficult substrates.	Opaque White	-22°F to 212°F (-30°C to 100°C)	55	282°F ± 41°F (139°C ± 5°C)

### Henkel Corporation

Engineering Adhesives

[www.henkelna.com/industrial](http://www.henkelna.com/industrial)

[www.henkelna.com/technomeltLPM](http://www.henkelna.com/technomeltLPM)

### U.S.A.

**Henkel Corporation**

Engineering Adhesives

One Henkel Way

Rocky Hill, CT 06067

Tel: 1.800.LOCTITE (562.8483)

Tel: 860.571.5100

Fax: 860.571.5465

### Canada

**Henkel Canada Corporation**

Engineering Adhesives

2515 Meadowpine Blvd.

Mississauga, Ontario L5N 6C3

Tel: 1.800.263.5043 (within Canada)

Tel: 905.814.6511

Fax: 905.814.5391

### Mexico

**Henkel Capital, S.A. de C.V.**

Boulevard Magnocentro No. 8 Piso 2

Centro Urbano Interlomas

52760 Huixquilucan, Estado de Mexico

Tel: 01.800.436.5357 (within Mexico)

Tel: 52.55.3300.3644

Fax: 52.55.3300.3019

