


Property	Values	Additional Information
Density	11.7 lb/gal	
Base	Polyether	
Consistency	Medium Paste	


Typical Cured Characteristics

Property	Values	Additional Information
Shore A Hardness	39	View 
Test Method: ASTM C661		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	28.1 kg/cm ²	View 

Notes: A 1/8 inch (0.3175 cm) dumbbell specimen with a 1/8 inch (0.3175 cm) square cross section was tested at 2.0 inches/minute (5.08 cm/minute).

Tensile Strength	>400 lb/in ²	View 
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Notes: A 1/8 inch (0.3175 cm) dumbbell specimen with a 1/8 inch (0.3175 cm) square cross section was tested at 2.0 inches/minute (5.08 cm/minute).

Elongation	>300 %	View 
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Notes: A 1/8 inch (0.3175 cm) dumbbell specimen with a 1/8 inch (0.3175 cm) square cross section was tested at 2.0 inches/minute (5.08 cm/minute).

Long Term Temperature Resistance	90 °C	
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Minimum Long Term Temperature Resistance	-40 °C	
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Long Term Temperature Resistance	190 °F	
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Minimum Long Term Temperature Resistance	-40 °F	
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Application Temperature 4 to 38 °C

Application Temperature 40 to 100 °F

Overlap Shear Strength 13.3 kg/cm² [View](#) 


Temp C: 23C
Temp F: 72F
Substrate: Oak
Failure Mode: 85/15 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 190 lb/in² [View](#) 

Temp C: 23C
Temp F: 72F
Substrate: Oak
Failure Mode: 85/15 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 14.8 kg/cm² [View](#) 

Temp C: 23C
Temp F: 72F
Substrate: Maple
Failure Mode: 80/20 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 210 lb/in² [View](#) 

Temp C: 23C
Temp F: 72F
Substrate: Maple
Failure Mode: 80/20 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 13.3 kg/cm² [View](#) 

Temp C: 23C
Temp F: 72F
Substrate: Fir
Failure Mode: 70/30 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 190 lb/in² [View](#) 

Temp C: 23C
Temp F: 72F
Substrate: Fir
Failure Mode: 70/30 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 11.2 kg/cm²

View 

Temp C: 23C
Temp F: 72F
Substrate: Mahogany
Failure Mode: 60/40 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 160 lb/in² View 


Temp C: 23C
Temp F: 72F
Substrate: Mahogany
Failure Mode: 60/40 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 15.8 kg/cm² View 

Temp C: 23C
Temp F: 72F
Substrate: Aluminum
Failure Mode: 80/20 Cohesive/Adhesive

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 225 lb/in² View 


Temp C: 23C
Temp F: 72F
Substrate: Aluminum
Failure Mode: 80/20 Cohesive/Adhesive

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 14.0 kg/cm² View 

Temp C: 23C
Temp F: 72F
Substrate: Fiberglass
Failure Mode: Cohesive

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 200 lb/in² View 


Temp C: 23C
Temp F: 72F
Substrate: Fiberglass
Failure Mode: Cohesive

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 17.6 kg/cm² View 


Temp C: 23C
Temp F: 72F
Substrate: Gelcoat
Failure Mode: Cohesive

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Overlap Shear Strength 250 lb/in² [View](#) 


Temp C: 23C
Temp F: 72F
Substrate: Gelcoat
Failure Mode: Cohesive

Notes: 1in overlap specimens 0.093in thick. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

180° Peel Adhesion 60 oz/in [View](#) 


Substrate: Gelcoat
Failure Mode: Cohesive

Notes: One inch (2.54 cm) wide specimens on canvas. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. This is the desired mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

180° Peel Adhesion 57 oz/in [View](#) 

Substrate: Fiberglass
Failure Mode: Cohesive

Notes: One inch (2.54 cm) wide specimens on canvas. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. This is the desired mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

180° Peel Adhesion 70 oz/in [View](#) 


Substrate: Aluminum
Failure Mode: Cohesive

Notes: One inch (2.54 cm) wide specimens on canvas. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. This is the desired mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

180° Peel Adhesion 50 oz/in [View](#) 


Substrate: Mahogany
Failure Mode: Cohesive

Notes: One inch (2.54 cm) wide specimens on canvas. Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. This is the desired mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Temperature Resistance 17.6 kg/cm² [View](#) 

Substrate: Fir
Failure Mode: 55/45 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Aged 500 hours @ 190°F (90°C). Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Temperature Resistance 250 lb/in² [View](#) 

Substrate: Fir
Failure Mode: 55/45 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Aged 500 hours @ 190°F (90°C). Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Temperature Resistance 28.1 kg/cm² [View](#) 

Substrate: Aluminum
Failure Mode: 95/5 (Cohesive/Adhesive)


Notes: 1in overlap specimens 0.093in thick. Aged 500 hours @ 190°F (90°C). Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Temperature Resistance 400 lb/in²

View 

Substrate: Aluminum
Failure Mode: 95/5 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Aged 500 hours @ 190°F (90°C). Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Temperature Resistance 19.3 kg/cm² View 

Substrate: Gelcoat
Failure Mode: Cohesive

Notes: 1in overlap specimens 0.093in thick. Aged 500 hours @ 190°F (90°C). Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Temperature Resistance 275 lb/in² View 

Substrate: Gelcoat
Failure Mode: Cohesive

Notes: 1in overlap specimens 0.093in thick. Aged 500 hours @ 190°F (90°C). Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Temperature Resistance 22.8 kg/cm² View 

Substrate: Fiberglass
Failure Mode: 80/20 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Aged 500 hours @ 190°F (90°C). Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Temperature Resistance 325 lb/in² View 

Substrate: Fiberglass
Failure Mode: 80/20 (Cohesive/Adhesive)

Notes: 1in overlap specimens 0.093in thick. Aged 500 hours @ 190°F (90°C). Cohesive – Adhesive/Sealant fails before adhesive/sealant releases from substrate. Desired failure mode. Adhesive Failure – Adhesive/Sealant releases from substrate.

Environmental Resistance

Product Uses

3M Marine Adhesive Sealant 4000 UV may be used in typical bedding and sealing applications including fiberglass hull, wood to fiberglass, porthole frames, deck fittings, moldings, thru hull and deck hardware.

Storage and Shelf Life

Store product at 60-80°F (16-27°C) for maximum storage life. Higher temperatures can reduce normal storage life. Lower temperatures can cause increased viscosity of a temporary nature. Rotate stock on a “first in-first out” basis.

When stored at the recommended conditions in the original, unopened container this product has a shelf life of 15 months from date of manufacture for cartridges and sausage packs. When stored at recommended conditions, the shelf life is 15 months from date of manufacture for 3 ounce tubes.

Automotive Disclaimer

Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, including, but not limited to, automotive electric powertrain battery or high voltage applications. This product does not fully adhere to typical automotive design or quality system requirements, such as IATF 16949 or VDA 6.3. This product may not be manufactured in an IATF certified facility and may not meet a Ppk of 1.33 for all properties. The product may not undergo an automotive production part approval process (PPAP). Customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer’s automotive application and for conducting incoming inspections before use of the product. Failure to do so may result in injury, death, and/or harm to property. No written or verbal statement, report, data or recommendation by 3M related to automotive use of the product shall have any force or effect

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Bottom Matter

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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

Typical Marine Adhesive Sealant Applications:

Portlights

Hatches

Thru-hulls

Rails

Metal Hardware

Moldings

Wood

Teak

Fiberglass

Gelcoat

Porthole Frames

Directions for Use

1. Surface Preparation

Surface should be clean, dry and free of contaminants. New surfaces should be solvent wiped with 3M™ General Purpose Adhesive Cleaner 08984*, or equivalent. Other than new surfaces should be sanded with a fine grade abrasive to enhance bond strength.

2. Sealing and bedding application

Apply 3M™ Marine Adhesive/Sealant 4000 UV to the seam or part to be bonded. Position parts. Tool and squeeze out material to desired appearance. Remove excess with 3M general purpose adhesive cleaner 08984.*

3. Cleanup

For cleaning 3M marine adhesive/sealant 4000 UV before it is cured, use a dry cloth to remove the majority, followed by a cloth damp with 3M general purpose adhesive cleaner, toluene, acetone, or other good cleaning solvent.*

Cured 3M marine adhesive/sealant 4000 UV can be removed mechanically with a knife, razor blade, piano wire or by sanding.

*Note: When using solvents, extinguish all ignition sources, including pilot lights, and follow the manufacturer’s precautions and directions for use.

Cure:

*Higher temperature and humidity conditions will accelerate the tack free time and cure. Please plan accordingly.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40066991/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=4000 UV

Family Group

Link Tags:

- 4000 UV

Products	Color	Shore A Hardness	Long Term Temperature Resistance	Minimum Long Term Temperature Resistance
4000 UV	White	39	190 °F	-40 °C

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

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