

## 3M Fastbond™ 49 Insulation Adhesive

Category : Polymer , Adhesive

### Material Notes:

3M™ Fastbond™ Insulation Adhesive 49 is a water-based, high solids, fast tacking, pressure sensitive adhesive for bonding lightweight materials like fiberglass insulation, felt, shoddy, paper and other materials to metal and many other surfaces. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Fastbond-49-Insulation-Adhesive.php](http://www.lookpolymers.com/polymer_3M-Fastbond-49-Insulation-Adhesive.php)

Physical Properties	Metric	English	Comments
Solids Content	53 - 57 %	53 - 57 %	
Brookfield Viscosity	450 - 650 cP	450 - 650 cP	RVF #3 sp @ 20 rpm @ 25°C

Mechanical Properties	Metric	English	Comments
Shear Strength	0.0827 MPa	12.0 psi	Neoprene Rubber, after 48 hrs at 23°C
	0.0965 MPa	14.0 psi	EPDM, after 48 hrs at 23°C
	0.234 MPa	34.0 psi	HDPE, after 48 hrs at 23°C
	0.269 MPa	39.0 psi	Polypropylene, after 48 hrs at 23°C
	0.345 MPa	50.0 psi	ABS Plastic, after 48 hrs at 23°C
	0.352 MPa	51.0 psi	2024 T3 Aluminum, after 48 hrs at 23°C
	0.359 MPa	52.0 psi	Clad Aluminum, after 48 hrs at 23°C
	0.359 MPa	52.0 psi	Stainless Steel, after 48 hrs at 23°C
	0.359 MPa	52.0 psi	Acrylic, after 48 hrs at 23°C
	0.365 MPa	53.0 psi	Glass, after 48 hrs at 23°C
	0.365 MPa	53.0 psi	High Impact Polystyrene, after 48 hrs at 23°C
	0.386 MPa	56.0 psi	PVC, after 48 hrs at 23°C
	0.393 MPa	57.0 psi	Cold Rolled Steel, after 48 hrs at 23°C
0.393 MPa	57.0 psi	Polycarbonate, after 48 hrs at 23°C	
Peel Strength	0.0877 kN/m	0.500 pli	HDPE, 180°, after 48 hrs at 23°C
	0.175 kN/m	1.00 pli	EPDM, 180°, after 48 hrs at 23°C
	0.228 kN/m	1.30 pli	Neoprene Rubber, 180°, after 48 hrs at 23°C

Mechanical Properties	Metric kN/m	English pli	Comments Glass, 180°, after 48 hrs at 23°C
	0.386 kN/m	2.20 pli	Polypropylene, 180°, after 48 hrs at 23°C
	0.403 kN/m	2.30 pli	2024 T3 Aluminum, 180°, after 48 hrs at 23°C
	0.491 kN/m	2.80 pli	Clad Aluminum, 180°, after 48 hrs at 23°C
	0.526 kN/m	3.00 pli	Cold Rolled Steel, 180°, after 48 hrs at 23°C
	0.561 kN/m	3.20 pli	Stainless Steel, 180°, after 48 hrs at 23°C
	0.684 kN/m	3.90 pli	Acrylic, 180°, after 48 hrs at 23°C
	0.789 kN/m	4.50 pli	PVC, 180°, after 48 hrs at 23°C
	0.824 kN/m	4.70 pli	ABS Plastic, 180°, after 48 hrs at 23°C
	0.912 kN/m	5.20 pli	Polycarbonate, 180°, after 48 hrs at 23°C
	0.982 kN/m	5.60 pli	High Impact Polystyrene, 180°, after 48 hrs at 23°C

Descriptive Properties	Value	Comments
Appearance	Milky White (wet), Clear (dry)	
Base	Acrylate	

## Contact Songhan Plastic Technology Co.,Ltd.

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