

## 3M Fastbond™ 4213-NF Industrial Adhesive

Category : Polymer , Adhesive

### Material Notes:

3M™ Fastbond™ Industrial Adhesive 4213-NF is a white, water dispersed adhesive for bonding many fabrics, supported vinyl, wood, leather and most porous materials. Exhibits outstanding clarity when dry. Neither prone to discolor with age nor stain substrates. Note: Not recommended for exterior applications. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Fastbond-4213-NF-Industrial-Adhesive.php](http://www.lookpolymers.com/polymer_3M-Fastbond-4213-NF-Industrial-Adhesive.php)

Physical Properties	Metric	English	Comments
Solids Content	54 - 60 %	54 - 60 %	
Brookfield Viscosity	2500 - 5000 cP	2500 - 5000 cP	RVF #4 sp @ 20 rpm @ 62°C

Mechanical Properties	Metric	English	Comments
Shear Strength	3.45 MPa	500 psi	Overlap, Wood/Wood
	0.538 MPa	78.0 psi	Overlap, 1/8" Birch/Birch
	@Thickness 12800 mm, Time 385000 sec	@Thickness 504 in, Time 107 hour	
	0.600 MPa	87.0 psi	Overlap, 1/8" Birch/Birch
	@Thickness 12800 mm, Time 335000 sec	@Thickness 504 in, Time 93.0 hour	
	0.938 MPa	136 psi	Overlap, 1/8" Birch/Birch
	@Thickness 12800 mm, Time 295000 sec	@Thickness 504 in, Time 82.0 hour	
Peel Strength	1.24 MPa	180 psi	Overlap, 1/8" Birch/Birch
	@Thickness 12800 mm, Time 238000 sec	@Thickness 504 in, Time 66.0 hour	
	3.36 MPa	488 psi	Overlap, 1/8" Birch/Birch
	@Thickness 12800 mm, Time 86400 sec	@Thickness 504 in, Time 24.0 hour	
	5.13 MPa	744 psi	Overlap, 1/8" Birch/Birch
	@Thickness 12800 mm, Time -133000 sec	@Thickness 504 in, Time -37.0 hour	
	1.40 - 2.63 kN/m	8.00 - 15.0 pli	180°, Supported Vinyl/Wood
@Temperature 24.0 °C, Time 173000 sec	@Temperature 75.2 °F, Time 48.0 hour		
	2.45 kN/m	14.0 pli	

Mechanical Properties	Metric	English	Comments
	@Temperature 82.0 °C, Time 1.81e+6 sec	@Temperature 180 °F, Time 504 hour	
	2.63 kN/m	15.0 pli	
	@Temperature -37.0 °C, Time 1.81e+6 sec	@Temperature -34.6 °F, Time 504 hour	180°, Canvas/Steel
	2.63 kN/m	15.0 pli	
	@Temperature 24.0 °C, Time 86400 sec	@Temperature 75.2 °F, Time 24.0 hour	180°, Canvas/Steel
	3.51 kN/m	20.0 pli	
	@Temperature 66.0 °C, Time 1.81e+6 sec	@Temperature 151 °F, Time 504 hour	180°, Canvas/Steel
	4.21 kN/m	24.0 pli	
	@Temperature 24.0 °C, Time 259000 sec	@Temperature 75.2 °F, Time 72.0 hour	180°, Canvas/Steel
	4.73 kN/m	27.0 pli	
	@Temperature 24.0 °C, Time 1.81e+6 sec	@Temperature 75.2 °F, Time 504 hour	180°, Canvas/Steel
	5.26 kN/m	30.0 pli	
	@Temperature 24.0 °C, Time 432000 sec	@Temperature 75.2 °F, Time 120 hour	180°, Canvas/Steel
	6.14 kN/m	35.0 pli	
	@Temperature 24.0 °C, Time 605000 sec	@Temperature 75.2 °F, Time 168 hour	180°, Canvas/Steel
	6.14 kN/m	35.0 pli	
	@Temperature 24.0 °C, Time 1.21e+6 sec	@Temperature 75.2 °F, Time 336 hour	180°, Canvas/Steel

Processing Properties	Metric	English	Comments
Shelf Life	15.0 Month	15.0 Month	

Descriptive Properties	Value	Comments
Appearance	White (Wet) Clear (Dry)	
Base	Synthetic Resin	

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