

3M Fastbond™ 30-NF Contact Adhesive

Category : Polymer , Adhesive

Material Notes:

3M Fastbond™ Contact Adhesive 30-NF and 30H-NF are water-dispersed, sprayable contact adhesives for high immediate bond strength n long bonding range. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Fastbond-30-NF-Contact-Adhesive.php

Physical Properties	Metric	English	Comments
Solids Content	47 - 51 %	47 - 51 %	
Brookfield Viscosity	200 - 750 cP	200 - 750 cP	RVF #2 sp @ 20 rpm @ 80°F

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	0.186 MPa	27.0 psi	Flatwise, high pressure laminate/particle board, test speed 0.05 in/min
	@Temperature 93.0 °C	@Temperature 199 °F	
	0.207 MPa	30.0 psi	Flatwise, high pressure laminate/particle board, test speed 0.05 in/min
	@Temperature 82.0 °C	@Temperature 180 °F	
	0.379 MPa	55.0 psi	Flatwise, high pressure laminate/particle board, test speed 0.05 in/min
	@Temperature 66.0 °C	@Temperature 151 °F	
	0.779 MPa	113 psi	Flatwise, high pressure laminate/particle board, test speed 0.05 in/min
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	0.207 MPa	30.0 psi	Overlap, 1/8" birch 1/8" birch
	@Temperature 93.0 °C	@Temperature 199 °F	
	0.207 MPa	30.0 psi	1/8" Birch/High-Pressure Laminate, no aging
	@Temperature 82.0 °C	@Temperature 180 °F	
	0.276 MPa	40.0 psi	Overlap, 1/8" birch 1/8" birch
	@Temperature 102 °C	@Temperature 216 °F	
	0.345 MPa	50.0 psi	1/8" Birch/High-Pressure Laminate, aged 9 mo
	@Temperature 82.0 °C	@Temperature 180 °F	
	0.414 MPa	60.0 psi	Overlap, 1/8" birch 1/8" birch
	@Temperature 82.0 °C	@Temperature 180 °F	
	0.517 MPa	75.0 psi	1/8" Birch/High-Pressure Laminate, aged 6 mo

Mechanical Properties	@Temperature 82.0 °C Metric	@Temperature 180 °F English	Comments
	0.552 MPa	80.0 psi	1/8" Birch/High-Pressure Laminate, aged 3 mo
	@Temperature 82.0 °C	@Temperature 180 °F	
	0.862 MPa	125 psi	1/8" Birch/High-Pressure Laminate, aged 9 mo
	@Temperature 66.0 °C	@Temperature 151 °F	
	0.896 MPa	130 psi	1/8" Birch/High-Pressure Laminate, no aging
	@Temperature 66.0 °C	@Temperature 151 °F	
	0.965 MPa	140 psi	1/8" Birch/High-Pressure Laminate, aged 3 mo
	@Temperature 66.0 °C	@Temperature 151 °F	
	1.03 MPa	150 psi	1/8" Birch/High-Pressure Laminate, aged 6 mo
	@Temperature 66.0 °C	@Temperature 151 °F	
	1.83 MPa	265 psi	1/8" Birch/High-Pressure Laminate, no aging
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	1.97 MPa	285 psi	1/8" Birch/High-Pressure Laminate, aged 9 mo
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	2.10 MPa	305 psi	1/8" Birch/High-Pressure Laminate, aged 6 mo
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	2.17 MPa	315 psi	1/8" Birch/High-Pressure Laminate, aged 3 mo
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	3.31 MPa	480 psi	Overlap, 1/8" birch 1/8" birch
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	7.58 MPa	1100 psi	Overlap, 1/8" birch 1/8" birch
	@Temperature -37.0 °C	@Temperature -34.6 °F	
Peel Strength	0.877 kN/m	5.00 pli	canvas/canvas
	@Temperature -37.0 °C, Time 1.81e+6 sec	@Temperature -34.6 °F, Time 504 hour	
	1.75 kN/m	10.0 pli	canvas/canvas
	@Temperature 66.0 °C, Time 1.81e+6 sec	@Temperature 151 °F, Time 504 hour	
	1.75 kN/m	10.0 pli	canvas/canvas
	@Temperature 82.0 °C, Time 1.81e+6 sec	@Temperature 180 °F, Time 504 hour	

Mechanical Properties	2.63 kN/m Metric	15.0 pli English	Comments canvas/canvas
	@Temperature 24.0 °C, Time 1.81e+6 sec	@Temperature 75.2 °F, Time 504 hour	
	3.51 kN/m	20.0 pli	
	@Temperature 24.0 °C, Time 605000 sec	@Temperature 75.2 °F, Time 168 hour	canvas/canvas
	3.51 kN/m	20.0 pli	
	@Temperature 24.0 °C, Time 1.21e+6 sec	@Temperature 75.2 °F, Time 336 hour	canvas/canvas
	4.38 kN/m	25.0 pli	
	@Temperature 24.0 °C, Time 86400 sec	@Temperature 75.2 °F, Time 24.0 hour	canvas/canvas
	5.26 kN/m	30.0 pli	
	@Temperature 24.0 °C, Time 432000 sec	@Temperature 75.2 °F, Time 120 hour	canvas/canvas
	6.14 kN/m	35.0 pli	
	@Temperature 24.0 °C, Time 259000 sec	@Temperature 75.2 °F, Time 72.0 hour	canvas/canvas

Descriptive Properties	Value	Comments
Appearance	Green, Blue (Wet), Green (Dry); Neutral, White (Wet), Clear (Dry)	
Base	Polychloroprene	

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