

3M Scotch-Weld™ 183 B/A Tan Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

3M™ Scotch-Weld™ Epoxy Adhesive 1838 B/A is a controlled flow product. This epoxy adhesives are two-part, room temperature curing structural adhesives with high shear strengths and excellent environmental resistance. Excellent for bonding many metals, woods, rubbers and some plastics. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-183-BA-Tan-Epoxy-Adhesive.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------|---------------------|----------|
| Viscosity | 100000 - 6.00e+6 cP | 100000 - 6.00e+6 cP | |
| | 100000 - 6.00e+6 cP | 100000 - 6.00e+6 cP | |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|-----------------------|-----------------------|----------------------------------|
| Hardness, Shore D | 80 - 85 | 80 - 85 | |
| Elongation at Break | 2.0 - 3.0 % | 2.0 - 3.0 % | |
| Shear Strength | 8.62 MPa | 1250 psi | CRS Overlap, 100% RH at 49°C |
| | 19.0 MPa | 2750 psi | CRS Overlap, Tap Water at RT |
| | 22.4 MPa | 3250 psi | CRS Overlap, White Gas @ RT |
| | 24.8 MPa | 3600 psi | CRS Overlap, Hydraulic Oil at RT |
| | 23.4 - 26.2 MPa | 3400 - 3800 psi | CRS Overlap |
| Aluminum Overlap; ASTM D1002 | 3.45 MPa | 500 psi | |
| | @Temperature 82.0 °C | @Temperature 180 °F | |
| | 10.3 MPa | 1500 psi | |
| Aluminum Overlap; ASTM D1002 | @Temperature -55.0 °C | @Temperature -67.0 °F | |
| Aluminum Overlap; ASTM D1002 | 13.8 MPa | 2000 psi | |
| | @Temperature 24.0 °C | @Temperature 75.2 °F | |
| | 0.701 kN/m | 4.00 pli | |
| Aluminum T-Peel; ASTM D1876 | @Temperature -55.0 °C | @Temperature -67.0 °F | |
| | 0.701 kN/m | 4.00 pli | |
| Aluminum T-Peel; ASTM D1876 | @Temperature 24.0 °C | @Temperature 75.2 °F | |
| | 0.701 kN/m | 4.00 pli | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

@ Temperature 82.0 °C

@ Temperature 180 °F

Aluminum T-Peel; ASTM D1876

| Descriptive Properties | Value | Comments |
|------------------------|-------|-------------|
| Appearance | Tan | Base |
| | Tan | Accelerator |
| | Tan | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China