

## ITW Plexus Plexusâ„¢ MA1025 Methacrylate Adhesive

Category : Polymer , Adhesive , Thermoset , Methacrylate , Methacrylate Adhesive

### Material Notes:

Two-part adhesive designed for structural bonding of thermoplastic, metal, and composite assemblies. Low shrinkage, low odor, able to be used 1" thick. Information provided by Illinois Tool Works.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ITW-Plexus-Plexus-MA1025-Methacrylate-Adhesive.php](http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA1025-Methacrylate-Adhesive.php)

| Physical Properties | Metric             | English                   | Comments |
|---------------------|--------------------|---------------------------|----------|
| Density             | 0.986 g/cc         | 0.0356 lb/in <sup>3</sup> | Mixed    |
| Viscosity           | 40000 - 60000 cP   | 40000 - 60000 cP          | B        |
|                     | 180000 - 220000 cP | 180000 - 220000 cP        | A        |

| Mechanical Properties     | Metric            | English         | Comments |
|---------------------------|-------------------|-----------------|----------|
| Tensile Strength at Break | 12.1 - 13.8 MPa   | 1750 - 2000 psi |          |
| Elongation at Break       | 90 - 110 %        | 90 - 110 %      |          |
| Tensile Modulus           | 0.414 - 0.552 GPa | 60.0 - 80.0 ksi |          |
| Shear Strength            | 5.86 - 8.27 MPa   | 850 - 1200 psi  |          |

| Thermal Properties               | Metric    | English   | Comments |
|----------------------------------|-----------|-----------|----------|
| Maximum Service Temperature, Air | 121 Â°C   | 250 Â°F   |          |
| Minimum Service Temperature, Air | -55.0 Â°C | -67.0 Â°F |          |
| Flash Point                      | 10.6 Â°C  | 51.0 Â°F  | TCC      |

| Processing Properties | Metric      | English     | Comments |
|-----------------------|-------------|-------------|----------|
| Pot Life              | 20 - 25 min | 20 - 25 min |          |

| Descriptive Properties | Value         | Comments  |
|------------------------|---------------|-----------|
| Color                  | Blue          |           |
| Fixture Time           | 40-45 minutes |           |
| Gap Filling            | Max 1 in      |           |
| Mix Ratio              | 10:1          | By volume |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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