

ITW Devcon Composite Welder,ç Methacrylate Adhesive FS, Blue Green, Black

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

Material Notes:

Information provided by ITW Devcon

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Devcon-Composite-Welder-Methacrylate-Adhesive-FS-Blue-Green-Black.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------------------------------|
| Viscosity | 120000 cP | 120000 cP | Mixed Viscosity (Thixotropic gel) |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------------------|----------------------------|--|
| Elongation at Break | 100 - 125 % | 100 - 125 % | |
| Adhesive Bond Strength | 15.5 MPa | 2250 psi | lap shear (on grit blasted steel, bond line thickness of 0.010"); ASTM D1002 |
| Tensile Impact Strength | 46.2 kJ/m ² | 22.0 ft-lb/in ² | |
| Peel Strength | 10.5 - 11.4 kN/m | 60.0 - 65.0 pli | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|-----------|-----------|----------|
| Maximum Service Temperature, Air | 121 Â°C | 250 Â°F | dry |
| Minimum Service Temperature, Air | -40.0 Â°C | -40.0 Â°F | dry |

| Processing Properties | Metric | English | Comments |
|-----------------------|-----------------|---------------------|-----------------|
| Cure Time | 4.00 - 8.00 min | 0.0667 - 0.133 hour | Working time |
| | 10.0 - 15.0 min | 0.167 - 0.250 hour | Fixture time |
| | 45.0 - 60.0 min | 0.750 - 1.00 hour | Functional cure |

| Descriptive Properties | Value | Comments |
|----------------------------|-------|----------|
| Mix ratio (Resin:Hardener) | 10:1 | |

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