

# CMET TSR-884B

Epoxy; Epoxide

CMET Inc.

## Message:

CMET TSR-884B is an Epoxy; Epoxide (Epoxy) material. It is available in Asia Pacific or North America for 3d printing, stereolithography.

| General Information  |                                |                    |
|----------------------|--------------------------------|--------------------|
| Appearance           | Clear/Transparent              |                    |
|                      | Light Blue                     |                    |
| Processing Method    | 3D Printing, Stereolithography |                    |
| Physical             | Nominal Value                  | Unit               |
| Specific Gravity     | 1.10                           | g/cm <sup>3</sup>  |
| Viscosity (25°C)     | 600                            | mPa · s            |
| Critical Exposure    | 24.0                           | mJ/cm <sup>2</sup> |
| Penetration Depth    | 210.0                          | µm                 |
| Hardness             | Nominal Value                  | Unit               |
| Durometer Hardness   |                                |                    |
| Shore D <sup>1</sup> | 86                             |                    |
| Shore D              | 87                             |                    |
| Mechanical           | Nominal Value                  | Unit               |
| Tensile Modulus      |                                |                    |
| -- <sup>2</sup>      | 2090                           | MPa                |
| --                   | 2370                           | MPa                |
| Tensile Strength     |                                |                    |
| -- <sup>3</sup>      | 50.0                           | MPa                |
| --                   | 51.0                           | MPa                |
| Tensile Elongation   |                                |                    |
| Break <sup>4</sup>   | 4.4                            | %                  |
| Break                | 3.0 to 12                      | %                  |
| Flexural Modulus     |                                |                    |
| -- <sup>5</sup>      | 2080                           | MPa                |
| --                   | 2260                           | MPa                |
| Flexural Strength    |                                |                    |
| -- <sup>6</sup>      | 79.0                           | MPa                |
| --                   | 87.0                           | MPa                |
| Impact               | Nominal Value                  | Unit               |
| Notched Izod Impact  |                                |                    |
| -- <sup>7</sup>      | 25                             | J/m                |
| --                   | 30                             | J/m                |

| Thermal                           | Nominal Value | Unit |
|-----------------------------------|---------------|------|
| Deflection Temperature Under Load |               |      |
| 0.45 MPa, Unannealed <sup>8</sup> | 117           | °C   |
| 0.45 MPa, Unannealed              | 58.0          | °C   |
| 1.8 MPa, Unannealed <sup>9</sup>  | 100           | °C   |
| 1.8 MPa, Unannealed               | 53.0          | °C   |

| NOTE |                    |  |
|------|--------------------|--|
| 1.   | Thermal post cured |  |
| 2.   | Thermal post cured |  |
| 3.   | Thermal post cured |  |
| 4.   | Thermal post cured |  |
| 5.   | Thermal post cured |  |
| 6.   | Thermal post cured |  |
| 7.   | Thermal post cured |  |
| 8.   | Thermal post cured |  |
| 9.   | Thermal post cured |  |

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