

# MTM® 58B

Epoxy; Epoxide  
Cyttec Industries Inc.

### Message:

MTM58FRB is a black pigmented, flame-retarded, 120°C (248°F) curing epoxy prepreg. After an optional post cure, this material can generate a glass transition temperature of 140°C (284°F).  
MTM58FRB has been developed for component manufacture, particularly automotive structural applications. MTM58FRB is suitable for autoclave and press moulding processes.

| General Information           |   |                   |
|-------------------------------|---|-------------------|
| Filler / Reinforcement        | Aramid Fiber  |                   |
|                               | Carbon Fiber  |                   |
|                               | Glass Fiber   |                   |
| Features                      | Autoclavable  |                   |
|                               | Flame Retardant   |                   |
|                               | Heat Cure   |                   |
|                               | High Impact Resistance  |                   |
|                               | Self Extinguishing  |                   |
| Uses                          | Automotive Applications   |                   |
|                               | Structural Parts  |                   |
| Appearance                    | Black   |                   |
| Forms                         | Fabric  |                   |
| Processing Method             | Press Molding   |                   |
| Physical                      | Nominal Value   | Unit              |
| Specific Gravity <sup>1</sup> | 1.22 to 1.25  | g/cm <sup>3</sup> |
| Thermal                       | Nominal Value   | Unit              |
| Glass Transition Temperature  |   |                   |
| -- <sup>2</sup>               | 95.0  | °C                |
| -- <sup>3</sup>               | 125   | °C                |
| NOTE                          |   |                   |
| 1.                            | Cured resin   |                   |
| 2.                            | DMA E' onset Tg, 1 hour at 120°C (248°F), wet - 14 days immersion |                   |
| 3.                            | DMA E' onset Tg, 1 hour at 120°C (248°F), dry                     |                   |

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