

# LE3301 Datasheet

| Properties                            | Metric                 | English                  | Test Method |
|---------------------------------------|------------------------|--------------------------|-------------|
| Density                               | 1.20 g/cm <sup>3</sup> | 0.443 lb/in <sup>3</sup> | ASTM E792   |
| Tensile Strength                      | 75.4 MPa               | 10.9 kpsi                | ASTM D638   |
| Tensile Modulus                       | 2.84 GPa               | 412 kpsi                 | ASTM D638   |
| Elongation (at Max. Tensile Strength) | 4.50%                  |                          | ASTM D638   |
| Elongation (at break)                 | 5.00%                  |                          | ASTM D638   |
| DMA – Dry Glass Transition            |                        |                          |             |
| Glass Transition - E' onset           | 80°C                   | 176°F                    | ASTM E1640  |
| Glass Transition - E'' Peak           | 86°C                   | 187°F                    | ASTM E1640  |
| Glass Transition - tan δ              | 95°C                   | 203°F                    | ASTM E1640  |

\*Cure Cycle: 60°C 72hr

\*\*Measured after 24-hour water boil

## Cure Profile

| Option | Ramp Up   | Hold Temperature | Hold time | Ramp Down                | Tg*  |
|--------|-----------|------------------|-----------|--------------------------|------|
| 1      | ≤ 2°C/min | 60 °C            | 24 hours  | ≤2°C/min to 40°C or less | 83°C |
| 2      |           | 60 °C            | 72 hours  |                          | 86°C |

\*Measured from E'' Peak of DMA



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