

Multilon TN-7500

| Category | Unit | Test Method | Condition | TN - 7500 | |
|---------------------------------|------------------------------|-------------------------------|-----------|--------------------------|----|
| Density | kg/m ³ | ISO 1183 | - | 1,180 | |
| Tensile modulus | MPa | ISO 527-1 and ISO 527-2 | 1mm/min | - | |
| Tensile stress at yield | MPa | | 50mm/min | | 63 |
| Tensile stress at break | MPa | | | | 47 |
| Tensile strain at yield | % | | | | 3 |
| Nominal tensile strain at break | % | | | | - |
| Tensile strain at break | % | | | | 50 |
| Flexural modulus | MPa | ISO 178 | 2mm/min | 2,600 | |
| Flexural strength | MPa | | 2mm/min | 95 | |
| CHARPY impact strength | kJ/m ² | ISO 179 | unnotched | NB | |
| | | | notched | 13 | |
| Heat deflection temperature | | ISO 75-1 and ISO 75-2 | 1.80MPa | 80 | |
| | | | 0.45MPa | 91 | |
| Vicat softening temperature | | ISO 306 | 50 /h 50N | - | |
| Molding shrinkage | % | In-house method | parallel | 0.4 ~ 0.6 | |
| | | | across | 0.4 ~ 0.6 | |
| Coefficient of liner expansion | × 10 ⁻⁴ cm/cm/ | ISO 11359-2 | parallel | 0.8 | |
| | | | across | 0.8 | |
| Surface resistivity | | IEC 60093 | - | - | |
| Flammability | - | UL 94 | - | V-0(1.5mm) 5VB(2.0mm) | |

The figures given above are representative, but are not guarantees of individual results.

Molding shrinkage of Multilon will vary depending on its application thickness.

Please send your inquiry to the Headquarters of Polycarbonate Resin Sales, Teijin Chemicals Ltd. for detailed technical information.

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