

# TECNOPRENE® VBM44LELP

Polypropylene, 20% glass beads and 20% mineral filled, laser printable, low emission

## Typical mechanical properties

|                                      |                       |              |
|--------------------------------------|-----------------------|--------------|
| Tensile Modulus                      | 3400 MPa              | ISO 527-1/-2 |
| Yield stress, 50mm/min               | 21 MPa                | ISO 527-1/-2 |
| Strain at break, 50mm/min            | 10 %                  | ISO 527-1/-2 |
| Charpy impact strength, 23°C         | 16 kJ/m <sup>2</sup>  | ISO 179/1eU  |
| Charpy notched impact strength, 23°C | 2.1 kJ/m <sup>2</sup> | ISO 179/1eA  |

## Thermal properties

|                                         |       |             |
|-----------------------------------------|-------|-------------|
| Temp. of deflection under load, 1.8 MPa | 72 °C | ISO 75-1/-2 |
|-----------------------------------------|-------|-------------|

## Flammability

|                                      |          |       |
|--------------------------------------|----------|-------|
| Burning Behav. at 1.5mm nom. thickn. | HB class | UL 94 |
| Burning Behav. at thickness h        | HB class | UL 94 |

## Other properties

|         |                        |          |
|---------|------------------------|----------|
| Density | 1230 kg/m <sup>3</sup> | ISO 1183 |
|---------|------------------------|----------|

## Injection

|                                 |             |          |
|---------------------------------|-------------|----------|
| Drying Temperature              | 80 - 100 °C |          |
| Drying Time, Dehumidified Dryer | 2 - 3 h     |          |
| Melt Temperature Optimum        | 240 °C      | Internal |
| Max. mould temperature          | 50 - 80 °C  |          |

## Characteristics

|           |                |
|-----------|----------------|
| Additives | Mineral Filler |
|-----------|----------------|

## Processing Texts

|                                 |                                                                                           |
|---------------------------------|-------------------------------------------------------------------------------------------|
| Longer pre-drying times/storage | This product should be stored in a covered facility and kept away from moisture and heat. |
|---------------------------------|-------------------------------------------------------------------------------------------|

