

# TECNOPRENE® VBM44LELP

## TECNOPRENE®

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

### Product information

|                      |               |           |
|----------------------|---------------|-----------|
| Resin Identification | PP-(GB+T)40   | ISO 1043  |
| Part Marking Code    | >PP-(GB+T)40< | ISO 11469 |

### Rheological properties

|                                  |            |          |
|----------------------------------|------------|----------|
| Melt mass-flow rate              | 15 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C     |          |
| Melt mass-flow rate, Load        | 2.16 kg    |          |

### Typical mechanical properties

|                                       |                       |              |
|---------------------------------------|-----------------------|--------------|
| Tensile modulus                       | 3400 MPa              | ISO 527-1/-2 |
| Tensile stress at yield, 50mm/min     | 21 MPa                | ISO 527-1/-2 |
| Tensile 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  |
| Poisson's ratio                       | 0.37 <sup>[C]</sup>   |              |
| [C]: Calculated                       |                       |              |

### Thermal properties

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

### Flammability

|                                      |          |                 |
|--------------------------------------|----------|-----------------|
| Burning Behav. at 1.5mm nom. thickn. | HB class | IEC 60695-11-10 |
| Burning Behav. at thickness h        | HB class | IEC 60695-11-10 |
| Thickness tested                     | 3.2 mm   | IEC 60695-11-10 |

### Physical/Other properties

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

### Injection

|                      |        |
|----------------------|--------|
| Ejection temperature | 120 °C |
|----------------------|--------|

### Characteristics

|                         |  |
|-------------------------|--|
| Processing              | Injection Moulding                       |
| Additives               | Mineral Filler                           |
| Special characteristics | Laser Markable, High Flow, Low emissions |

### Additional information

Processing Notes

### Storage

This product should be stored in a covered facility and kept away from moisture and heat.

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