

## TECNOPRENE® VBM44LELP - PP

### Description

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

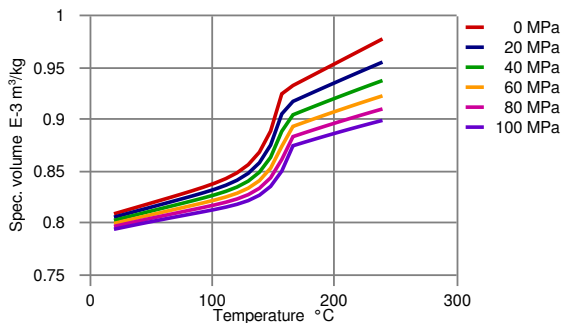
Physical properties	Value	Unit	Test Standard
Density	1230	kg/m <sup>3</sup>	ISO 1183
Melt flow rate, MFR	15	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
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

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	72	°C	ISO 75-1, -2
Flammability @1.6mm nom. thickn.	HB	class	UL 94
Flammability @3.2mm nom. thickn.	HB	class	UL 94

### Diagrams

#### Moldflow Specific volume-temperature (pvT)



#### Typical injection moulding processing conditions

Pre Drying	Value	Unit
Drying time	2 - 3	h
Drying temperature	80 - 100	°C

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Temperature	Value	Unit
Zone1 temperature	200 - 220	°C
Zone2 temperature	220 - 240	°C
Zone3 temperature	240 - 260	°C
Mold temperature	50 - 80	°C

### Other text information

#### Longer pre-drying times/storage

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

### Characteristics

<b>Special Characteristics</b>	High flow, Laser markable
<b>Product Categories</b>	Low emission, Mineral reinforced
<b>Processing</b>	Injection molding

### Contact

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### General Disclaimer

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