TECNOPRENE® VBM44LELP - PP

Description

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

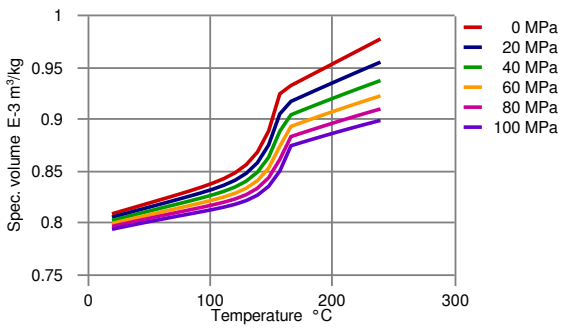
Physical properties	Value	Unit	Test Standard
Density	**1230**	kg/m³	ISO 1183
Melt flow rate, MFR	**15**	g/10min	ISO 1133
MFR temperature	**230**	°C	ISO 1133
MFR load	**2.16**	kg	ISO 1133

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/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	**2.1**	kJ/m²	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

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

Contact

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