

TECHNICAL DATA SHEET

Arnite® TV4 220

Envalior
PBT-GF10

Processing

Injection molding

Delivery Form

Pellets

Additives

Release agent

Product Text

Product Information

10% Glass Reinforced

ISO 1043 PBT-GF10

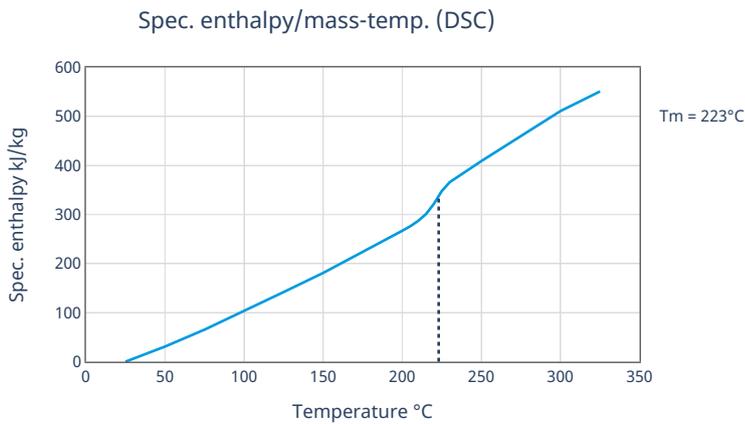
Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	21	cm ³ /10min	ISO 1133
Temperature	250	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	4600	MPa	ISO 527
Stress at break	90	MPa	ISO 527
Strain at break	4	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy impact strength, +23°C	34	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3.9	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion, parallel	60	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2

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Electrical Properties	Value	Unit	Standard
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Other Properties	Value	Unit	Standard
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.16	%	Sim. to ISO 62
Density	1370	kg/m ³	ISO 1183

Diagrams



Processing Information

Injection molding

Injection Molding Recommendations

Steel recommendations for molds screws and barrels

Supporting document for Stanyl quality processing