

Arnite® TV4 441

(PBT+PET)-GF20

20% Glass Reinforced

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Molding shrinkage [normal]	1.2	%	Sim. to ISO 294-4
Molding shrinkage [parallel]	0.4	%	Sim. to ISO 294-4
Mechanical properties			
	Value		
Tensile modulus	7300	MPa	ISO 527-1/-2
Stress at break	112	MPa	ISO 527-1/-2
Strain at break	2.7	%	ISO 527-1/-2
Charpy impact strength (+23°C)	25	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	25	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	7	kJ/m ²	ISO 179/1eA
Thermal properties			
	Value		
Temp. of deflection under load (1.80 MPa)	200	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
Electrical properties			
	Value		
Volume resistivity	>1E13	Ohm*m	IEC 60093
Other properties			
	Value		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1450	kg/m ³	ISO 1183



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Viscosity-shear rate

