

## Arnite® TV4 261 SF

## PBT-GF30 FR(17)

30% Glass Reinforced, Flame Retardant, High Flow

Properties	Typical Data	Unit	Test Method
<b>Mechanical properties</b>			
Tensile modulus	11000	MPa	ISO 527-1/-2
Stress at break	130	MPa	ISO 527-1/-2
Strain at break	2.5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	8	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	8	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
Temp. of deflection under load (1.80 MPa)	210	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.35	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.7	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.75	mm	IEC 60695-11-10
<b>Electrical properties</b>			
Relative permittivity (100Hz)	4	-	IEC 60250
Relative permittivity (1 MHz)	3.8	-	IEC 60250
Dissipation factor (100 Hz)	25	E-4	IEC 60250
Dissipation factor (1 MHz)	140	E-4	IEC 60250
Volume resistivity	>1E13	Ohm*m	IEC 60093
Electric strength	28	kV/mm	IEC 60243-1
Comparative tracking index	300	-	IEC 60112
<b>Other properties</b>			
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62

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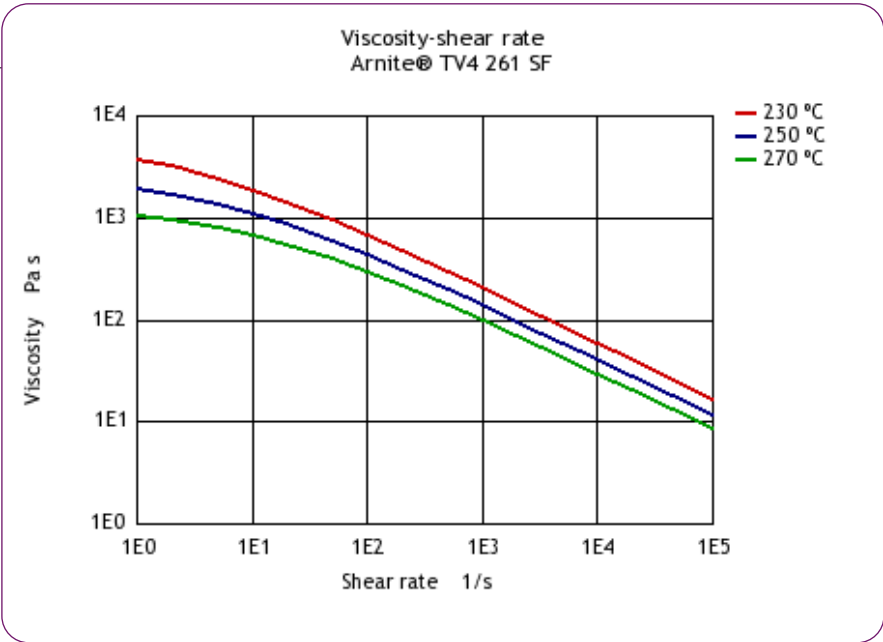


Property Data

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Properties	Typical Data	Unit	Test Method
Density	1650	kg/m³	ISO 1183

Viscosity-shear rate



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