

## Arnite® TV4 461

## (PBT+PET)-GF30

30% Glass Reinforced

Properties	Typical Data	Unit	Test Method
<b>Rheological properties</b>			
Molding shrinkage [normal]	1.1	%	Sim. to ISO 294-4
Molding shrinkage [parallel]	0.32	%	Sim. to ISO 294-4
<b>Mechanical properties</b>			
Tensile modulus	10200	MPa	ISO 527-1/-2
Stress at break	145	MPa	ISO 527-1/-2
Strain at break	2.3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	57	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	7.7	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	9	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
Temp. of deflection under load (1.80 MPa)	205	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	225	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.4	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.6	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
<b>Electrical properties</b>			
Relative permittivity (100Hz)	4.1	-	IEC 60250
Relative permittivity (1 MHz)	3.9	-	IEC 60250
Dissipation factor (100 Hz)	15	E-4	IEC 60250
Dissipation factor (1 MHz)	160	E-4	IEC 60250
Volume resistivity	>1E13	Ohm*m	IEC 60093
Comparative tracking index	275	-	IEC 60112
<b>Other properties</b>			
Water absorption	0.3	%	Sim. to ISO 62

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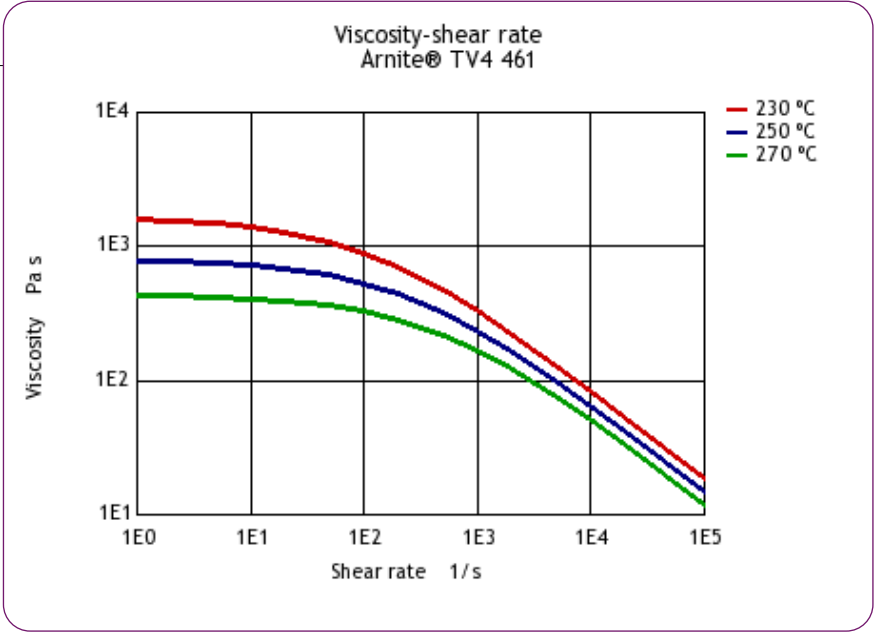
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Property Data

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Properties	Typical Data	Unit	Test Method
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1530	kg/m³	ISO 1183

Viscosity-shear rate



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