


**Arnite® TV4 441**  
**(PBT+PET)-GF20**

DSM Engineering Plastics

**Product Texts**

20% Glass Reinforced

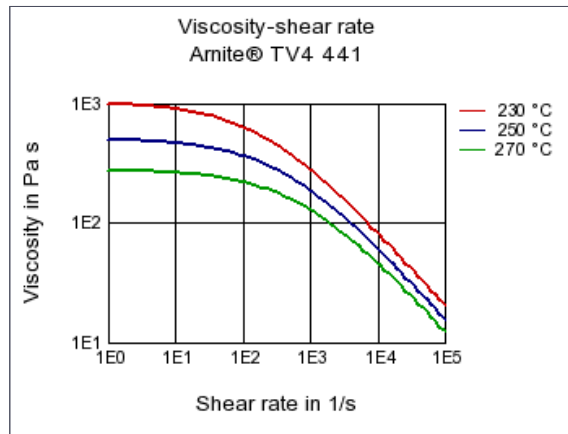
ISO 1043 (PBT+PET)-GF20

[Arnite website](#)

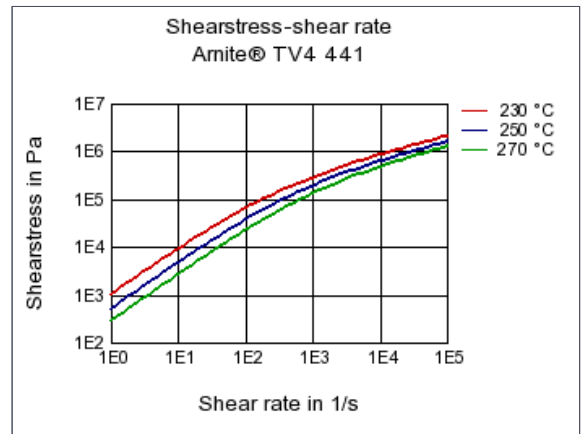
Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	7300	MPa	ISO 527-1/-2
Stress at break	112	MPa	ISO 527-1/-2
Strain at break	2.7	%	ISO 527-1/-2
Charpy impact strength (+23°C)	25	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	25	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	7	kJ/m²	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
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
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	>1E13	Ohm*m	IEC 60093
<b>Other properties</b>			
<b>ISO Data</b>			
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1460	kg/m³	ISO 1183

**Diagrams**

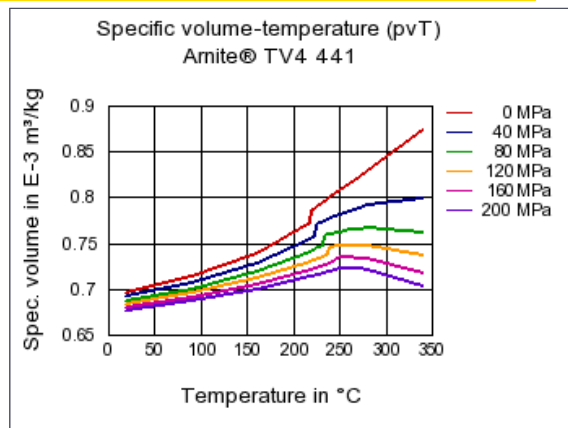
**Viscosity-shear rate**



**Shearstress-shear rate**



**Specific volume-temperature (pvT)**



**Characteristics**

**Processing**

Injection Molding

**Additives**

Release agent

**Delivery form**

Pellets

**Other text information**

**Injection Molding**

[Injection Molding Recommendations](#)