

<b>Arnite® TV4 260 SN</b>	DSM Engineering Plastics					
<b>PBT-GF30 FR(17)</b>						
<b>Product Texts</b>						
30% Glass Reinforced, Flame Retardant						
ISO 1043 PBT-GF30 FR(17)						
<a href="#">Arnite website</a>						
<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Tensile Modulus	11000	MPa	ISO 527-1/-2			
Stress at break	140	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)	10	kJ/m <sup>2</sup>	ISO 179/1eA			
Charpy notched impact strength, -30°C	10	kJ/m <sup>2</sup>	ISO 179/1eA			
<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3			
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	35	E-6/K	ISO 11359-1/-2			
Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10			
Thickness tested	1.6	mm	IEC 60695-11-10			
UL recognition	UL	-	-			
Burning behav. at thickness h	V-2	class	IEC 60695-11-10			
Thickness tested	0.8	mm	IEC 60695-11-10			
UL recognition	UL	-	-			
<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Relative permittivity, 100Hz	3.4	-	IEC 60250			
Relative permittivity, 1MHz	3.4	-	IEC 60250			
Dissipation factor, 100Hz	10	E-4	IEC 60250			
Dissipation factor, 1MHz	150	E-4	IEC 60250			
Volume resistivity	>1E13	Ohm*m	IEC 60093			
Comparative tracking index	275	-	IEC 60112			
<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Water absorption	0.6	%	Sim. to ISO 62			
Humidity absorption	0.2	%	Sim. to ISO 62			
Density	1670	kg/m <sup>3</sup>	ISO 1183			
<b>Rheological calculation properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Density of melt	1440	kg/m <sup>3</sup>	-			
Thermal conductivity of melt	0.153	W/(m K)	-			
Spec. heat capacity of melt	1740	J/(kg K)	-			
Eff. thermal diffusivity	6.12E-8	m <sup>2</sup> /s	-			

**Arnite® TV4 260 SN**

PBT-GF30 FR(17)

DSM Engineering Plastics

**Characteristics****Processing**

Injection Molding

**Additives**

Release agent

**Delivery form**

Pellets

**Special Characteristics**

Flame retardant

**Other text information****Injection Molding**[Injection Molding Recommendations](#)