

# Arnite<sup>®</sup> T06 204 SN

## Property Data

PBT FR(17)  
Flame Retardant, High Flow

Properties	Typical Data	Unit	Test Method
<b>MECHANICAL PROPERTIES</b>			
Tensile modulus	<b>3200</b>	MPa	ISO 527-1/-2
Yield stress	<b>65</b>	MPa	ISO 527-1/-2
Yield strain	<b>5</b>	%	ISO 527-1/-2
Nominal strain at break	<b>5.5</b>	%	ISO 527-1/-2
Charpy impact strength (+23°C)	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	<b>5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
Temp. of deflection under load (1.80 MPa)	<b>75</b>	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	<b>165</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	<b>0.9</b>	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	<b>0.9</b>	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>3</b>	mm	IEC 60695-11-10
Burning Behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.75</b>	mm	IEC 60695-11-10
<b>ELECTRICAL PROPERTIES</b>			
Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 60093
Surface resistivity	<b>&gt;1E15</b>	Ohm	IEC 60093
Comparative tracking index	<b>225</b>	-	IEC 60112
<b>OTHER PROPERTIES</b>			
Water absorption	<b>0.45</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.18</b>	%	Sim. to ISO 62
Density	<b>1440</b>	kg/m <sup>3</sup>	ISO 1183

02.04.2008

All information supplied by or on behalf of DSM in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and, in good faith, believed reliable, but DSM assumes no liability and makes no warranties of any kind, express or implied, including, but not limited to, those of title, merchantability, fitness for a particular purpose or non-infringement or any warranty arising from a course of dealing, usage, or trade practice whatsoever in respect of application, processing or use made of the aforementioned information or product. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequence from the use of all such information. Typical values are indicative only and are not to be construed as being binding specifications.