

Arnite[®] B604T

PBT-I

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>MECHANICAL PROPERTIES</i>			
	<i>VALUE</i>		
Tensile modulus	2000	MPa	ISO 527-1/-2
Yield stress	44	MPa	ISO 527-1/-2
Yield strain	3.2	%	ISO 527-1/-2
Nominal strain at break	15	%	ISO 527-1/-2
Flexural modulus	2000	MPa	ISO 178
Flexural strength	65	MPa	ISO 178
Charpy impact strength (+23°C)	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5.5	kJ/m ²	ISO 179/1eA
<i>THERMAL PROPERTIES</i>			
	<i>VALUE</i>		
Temp. of deflection under load (1.80 MPa)	50	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	125	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.95	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.95	E-4/°C	ISO 11359-1/-2
<i>OTHER PROPERTIES</i>			
	<i>VALUE</i>		
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1220	kg/m ³	ISO 1183