

**Arnite® A06 700**

PET

DSM Engineering Plastics

**Product Texts**

Very High Viscosity, Improved Impact, Extrusion

ISO 1043 PET

[Arnite website](#)

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			

Tensile Modulus 2250 MPa ISO 527-1/-2

Yield stress 50 MPa ISO 527-1/-2

Yield strain 4 % ISO 527-1/-2

Nominal strain at break &gt;50 % ISO 527-1/-2

Charpy notched impact strength (+23°C) 10 kJ/m<sup>2</sup> ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			

Melting temperature (10°C/min) 255 °C ISO 11357-1/-3

Coeff. of linear therm. expansion, parallel 75 E-6/K ISO 11359-1/-2

Coeff. of linear therm. expansion, normal 75 E-6/K ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			

Volume resistivity &gt;1E13 Ohm\*m IEC 60093

Other properties	Value	Unit	Test Standard
<b>ISO Data</b>			

Humidity absorption 0.3 % Sim. to ISO 62

Density 1400 kg/m<sup>3</sup> ISO 1183

Rheological calculation properties	Value	Unit	Test Standard
<b>ISO Data</b>			

Thermal conductivity of melt 0.205 W/(m K) -

Spec. heat capacity of melt 2050 J/(kg K) -

**Characteristics****Processing**

Profile Extrusion, Sheet Extrusion, Other Extrusion

**Delivery form**

Pellets

**Other text information****Injection Molding**[Injection Molding Recommendations](#)**Other extrusion**[Stockshape Processing Guideline for Arnite A-grades](#)