TECHNICAL DATA SHEET

Arnite® A06 700

Envalior

PET

Processing

Injection molding, Profile extrusion, Sheet extrusion, Other extrusion

Delivery Form

Pellets

Special Characteristics

High impact or impact modified

Certifications

Food contact

Product Text

Product Information

Very High Viscosity, Improved Impact, Extrusion, Food Contact Quality

ISO 1043 PET

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	7.5	cm³/10min	ISO 1133
Temperature	270	°C	
Load	2.16	kg	
Thermal conductivity of melt	0.205	W/(m K)	
Spec. heat capacity of melt	2050	J/(kg K)	

Mechanical Properties	Value	Unit	Standard
Tensile modulus	2250	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Yield strain	4	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy notched impact strength, +23°C	5	kJ/m²	ISO 179/1eA

Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	98	°C	ISO 75-1/-2

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Thermal Properties	Value	Unit	Standard
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	Standard
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1

Other Properties	Value	Unit	Standard
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1400	kg/m³	ISO 1183

Processing Information

Injection molding

Injection Molding Recommendations
Steel recommendations for molds screws and barrels
Supporting document for Stanyl quality processing

Other extrusion

Stockshape Processing Guideline for Arnite® A-grades