

TECHNICAL DATA SHEET

# Arnite® A06 101

Envalior  
PET

**Processing**

Injection molding, Profile extrusion, Sheet extrusion, Other extrusion

Pellets

**Certifications**

Food contact

**Delivery Form**

## Product Text

**Product Information**

Very High Viscosity, Extrusion, Food Contact Quality

ISO 1043 PET

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	6.5	cm <sup>3</sup> /10min	ISO 1133
Temperature	270	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	2500	MPa	ISO 527
Yield stress	55	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	4	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	
Yellow card available	yes		
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3	mm	

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Thermal Properties	Value	Unit	Standard
Yellow card available	yes		
Oxygen index	25	%	ISO 4589-1/-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	1390	kg/m <sup>3</sup>	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