

TECHNICAL DATA SHEET

Arnite® A02 307

Envalior
PET

Processing

Injection molding, Film extrusion, Other extrusion

Pellets

Certifications

Food contact

Delivery Form

Product Text

Product Information

Low Viscosity, Injection Molding or Extrusion Grade, Food Contact Quality

ISO 1043 PET

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	65	cm ³ /10min	ISO 1133
Temperature	290	°C	
Load	5	kg	
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	2500	MPa	ISO 527
Poisson's ratio	0.35		ISO 527
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	68	°C	ISO 75-1/-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	1160	kg/m ³	ISO 1183

Arnite® A02 307

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Material Specific Properties	Value	Unit	Standard
Viscosity number	85	cm ³ /g	ISO 307, 1157, 1628

Processing Information

Injection molding

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

Film extrusion

Extrusion Guideline for Arnite® A-grades