

Product Texts

Injection Molding

ISO 18064 TPC-ET

Arnitel EL150 is a very low modulus grade with nominal hardness of 20D. Material can be processed by many conventional thermoplastics processing techniques such as injection molding. It is important to note that in a certain periods, clumps can be formed due to excessive storage conditions such as packing type, stacking, extreme temperature. Pl. refer injection molding recommendations

Food contact use - Not Applicable.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	76	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at 10% elongation	1.4	MPa	ISO 527
^[C] Stress at 100% elongation	3.8	MPa	ISO 527
^[C] Stress at break TPE	14.4	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Shore A hardness	80	-	ISO 7619-1
^[C] Shore D hardness	18	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Humidity absorption	0.12	%	Sim. to ISO 62
^[C] Density	1060	kg/m ³	ISO 1183

[C]: CAMPUS

Material specific properties	Value	Unit	Test Standard
ISO Data			
^[C] Viscosity number	3.32	cm ³ /g	ISO 307, 1157, 1628

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets

Other text information

Injection molding

[Injection Molding Recommendations](#)

[Steel recommendations for molds screws and barrels](#)

[Trouble shooting guideline for injection molding](#)