Arnitel® ECO M700

TPC — Envalior

Product Texts

22% Renewable Content, Extrusion Grade, Food Contact Quality

ISO 18064 TPC

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**5**	cm³/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
[C] Molding shrinkage, parallel	**1.5**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.8**	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**N**	kJ/m²	ISO 179/1eU
[C] Stress at 10% elongation	**23**	MPa	ISO 527
[C] Stress at 100% elongation	**27**	MPa	ISO 527
[C] Stress at break TPE	**27**	MPa	ISO 527
[C] Compression set at 70 °C, 24h	**40**	%	ISO 815

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**210**	°C	ISO 11357-1/-3
[C] Glass transition temperature, 10°C/min	**-2**	°C	ISO 11357-1/-2
[C] Vicat softening temperature, B	**99**	°C	ISO 306

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**>1E13**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	**>1E15**	Ohm	IEC 62631-3-2
[C] Electric strength	**20**	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Humidity absorption	**0.01**	%	Sim. to ISO 62
[C] Density	**1230**	kg/m³	ISO 1183
Biobased content	**22**	%	-

[C]: CAMPUS

Characteristics

Processing
Film Extrusion

Certifications
Contains renewable resources, Food contact

Delivery form
Pellets

Regional Availability
North America, Europe, Asia Pacific

Other text information

Injection molding
Injection Molding Recommendations

Film extrusion

Arnitel® Recommendations for Extrusion