

TECHNICAL DATA SHEET

# Arnitel® PL650

Envalior  
TPC

**Processing**

Injection molding

**Delivery Form**

Pellets

## Product Text

**Product Information**

Injection Molding

ISO 18064 TPC-ET

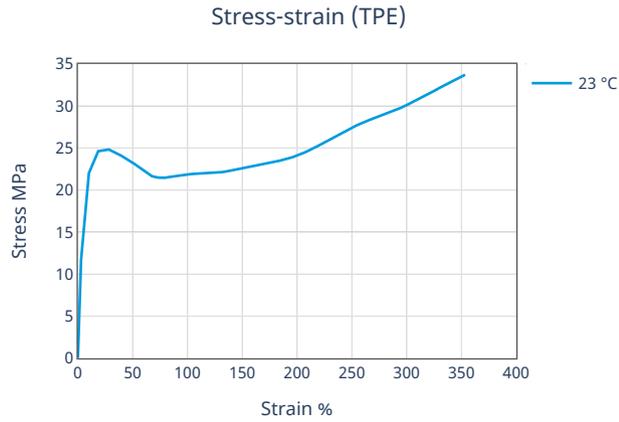
Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	26	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Yield stress	25	MPa	ISO 527
Yield strain	24	%	ISO 527
Charpy notched impact strength, +23°C	23	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	7	kJ/m <sup>2</sup>	ISO 179/1eA
Stress at 10% elongation	22.1	MPa	ISO 527
Stress at 100% elongation	22.1	MPa	
Stress at break TPE	35	MPa	ISO 527
Tear strength, parallel	150	kN/m	ISO 34-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	221	°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		

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Other Properties	Value	Unit	Standard
Density	1250	kg/m <sup>3</sup>	ISO 1183

## Diagrams



## Processing Information

### Injection molding

Injection Molding Recommendations

Steel recommendations for molds screws and barrels

Trouble shooting guideline for injection molding