

TECHNICAL DATA SHEET

# Arnitel® PL461

Envalior  
TPC

**Processing**

Injection molding

**Delivery Form**

Pellets

## Product Text

**Product Information**

Injection Molding

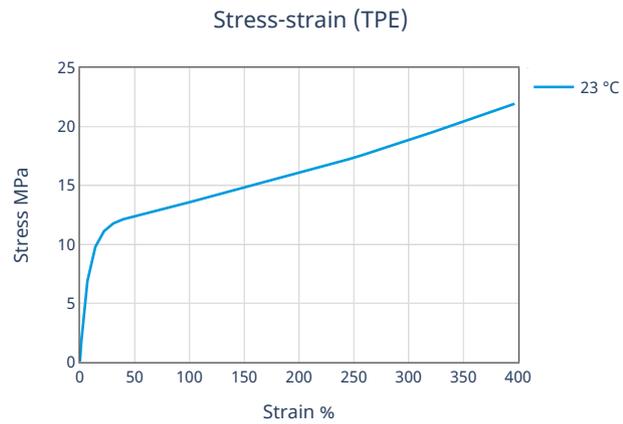
ISO 18064 TPC-ET

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	39	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Charpy notched impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
Stress at 10% elongation	9.2	MPa	ISO 527
Stress at 100% elongation	14.4	MPa	
Stress at break TPE	21	MPa	ISO 527
Tear strength, parallel	94	kN/m	ISO 34-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	65	°C	ISO 75-1/-2
Other Properties	Value	Unit	Standard
Density	1204	kg/m <sup>3</sup>	ISO 1183

## Diagrams

# Arnitel® PL461

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## Processing Information

### Injection molding

Injection Molding Recommendations

Steel recommendations for molds screws and barrels

Trouble shooting guideline for injection molding