

TECHNICAL DATA SHEET

Arnitel® PL420-H

Envalior
TPC

Processing

Injection molding

Delivery Form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Product Text

Product Information

Injection Molding, Heat Stabilized

ISO 18064 TPC-ET

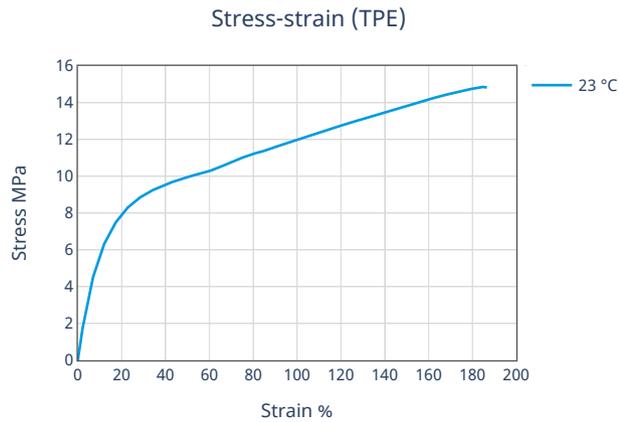
Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	23	cm ³ /10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m ²	ISO 179/1eA
Stress at 10% elongation	6	MPa	ISO 527
Stress at 100% elongation	11	MPa	
Stress at break TPE	15	MPa	ISO 527
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Electrical Properties	Value	Unit	Standard
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1

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Other Properties	Value	Unit	Standard
Density	1180	kg/m ³	ISO 1183

Diagrams



Processing Information

Injection molding

Injection Molding Recommendations

Steel recommendations for molds screws and barrels

Trouble shooting guideline for injection molding