

TECHNICAL DATA SHEET

Arnitel® PM460

Envalior
TPC

Processing

Injection molding, Film extrusion, Profile extrusion, Sheet extrusion, Other extrusion

Delivery Form

Pellets

Product Text

Product Information

Injection Molding

ISO 18064 TPC-ET

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	10	cm ³ /10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
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	9.9	MPa	ISO 527
Stress at 100% elongation	17	MPa	
Stress at break TPE	21.1	MPa	ISO 527
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	216	°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	1205	kg/m ³	ISO 1183

Processing Information

Injection molding

Arnitel® PM460

Envalior

Injection Molding Recommendations
Steel recommendations for molds screws and barrels
Trouble shooting guideline for injection molding

Film extrusion

Arnitel® Recommendations for Extrusion

Other extrusion

Arnitel® Recommendations for Extrusion