


Arnitel® PL461 - Shore 45 D

TPC

DSM Engineering Plastics

Product Texts

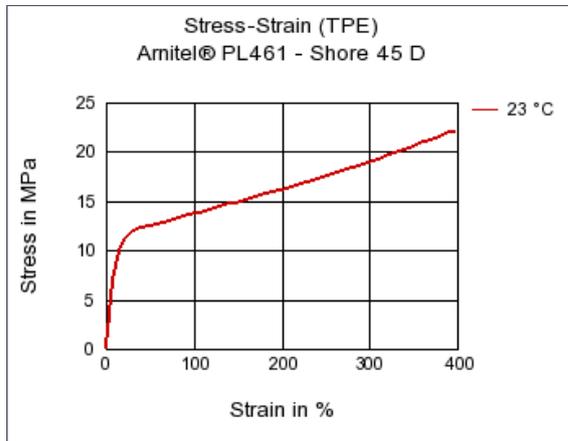
Injection Molding

ISO 18064 TPC-ET

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	39	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	135	MPa	ISO 527-1/-2
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	9.2	MPa	ISO 527-1/-2
Stress at 100% elongation	14.4	MPa	ISO 527-1/-2
Stress at break TPE	21	MPa	ISO 527-1/-2
Tear strength	94	kN/m	ISO 34-1
Thermal properties			
ISO Data			
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			
ISO Data			
Density	1200	kg/m ³	ISO 1183

Diagrams

Stress-Strain (TPE)



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)