


Arnitel® PL650 - Shore 62 D

TPC

DSM Engineering Plastics

Product Texts

Injection Molding

ISO 18064 TPC-ET

[Arnitel website](#)
Rheological properties

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	26	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	430	MPa	ISO 527-1/-2
Yield stress	25	MPa	ISO 527-1/-2
Yield strain	24	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	23	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	7	kJ/m²	ISO 179/1eA
Stress at 10% elongation	22.1	MPa	ISO 527-1/-2
Stress at 100% elongation	22.1	MPa	ISO 527-1/-2
Stress at break TPE	35	MPa	ISO 527-1/-2
Tear strength	150	kN/m	ISO 34-1

Thermal properties

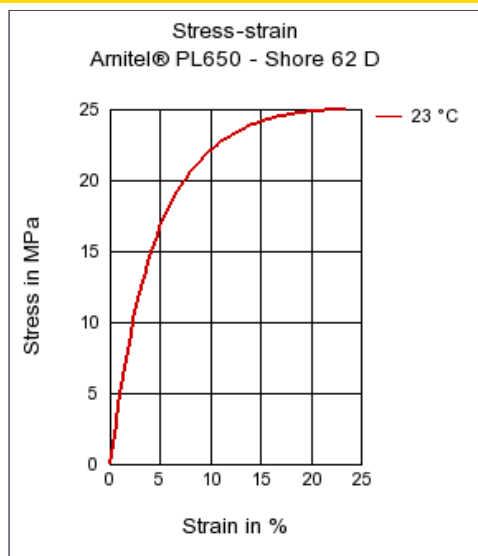
	Value	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	221	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10
UL recognition	UL	-	-

Other properties

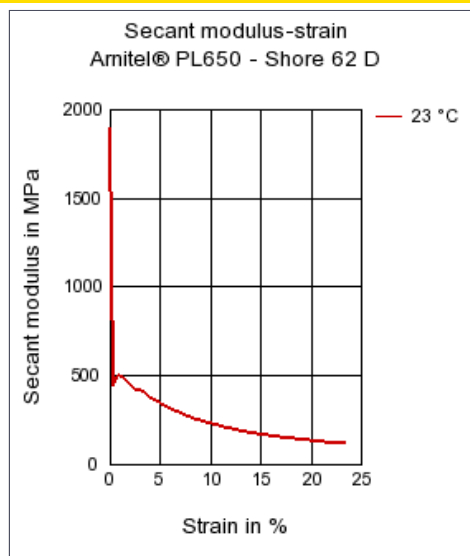
	Value	Unit	Test Standard
ISO Data			
Density	1250	kg/m³	ISO 1183

Diagrams

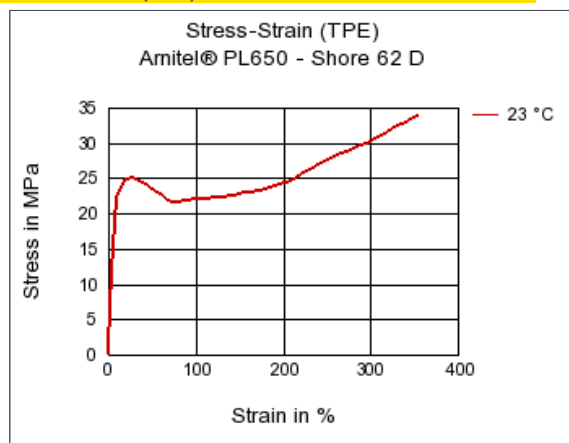
Stress-strain



Secant modulus-strain



Stress-Strain (TPE)



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)