

Arnitel® PM650 - Shore 62 D

TPC

DSM Engineering Plastics

Product Texts

Extrusion Grade

ISO 18064 TPC-ET

[Arnitel website](#)

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	4.5	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	400	MPa	ISO 527-1/-2
Yield stress	26.5	MPa	ISO 527-1/-2
Yield strain	26.3	%	ISO 527-1/-2
Nominal strain at break	>50	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	37	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11	kJ/m ²	ISO 179/1eA
Stress at 10% elongation	22.2	MPa	ISO 527-1/-2
Stress at 100% elongation	27.1	MPa	ISO 527-1/-2
Stress at break TPE	26.8	MPa	ISO 527-1/-2
Thermal properties			
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
Other properties			
ISO Data			
Density	1270	kg/m ³	ISO 1183
Characteristics			
Processing		Delivery form	
Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion		Pellets	