


**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
<b>ISO Data</b>			
Melt volume-flow rate, MVR	4.5	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
<b>Mechanical properties</b>			
<b>ISO Data</b>			
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/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	11	kJ/m²	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
<b>Thermal properties</b>			
<b>ISO Data</b>			
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
<b>Other properties</b>			
<b>ISO Data</b>			
Density	1270	kg/m³	ISO 1183

**Characteristics**
**Processing**

Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion

**Delivery form**

Pellets