


Arnitel® PB582-H - Shore 55 D

TPC

DSM Engineering Plastics

Product Texts

Blow Molding Grade, Heat Stabilized

ISO 18064 TPC-ET

[Arnitel website](#)
Rheological properties

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	2.9	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	10	kg	ISO 1133

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	300	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	14	kJ/m²	ISO 179/1eA
Stress at 10% elongation	16.5	MPa	ISO 527-1/-2
Stress at 100% elongation	26.7	MPa	ISO 527-1/-2
Stress at break TPE	30	MPa	ISO 527-1/-2
Tear strength	100	kN/m	ISO 34-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	220	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	100	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	105	°C	ISO 306

Other properties

	Value	Unit	Test Standard
ISO Data			
Density	1230	kg/m³	ISO 1183

Characteristics
Processing

Blow Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets