



<b>Arnitel® PB582-H - Shore 55 D</b>			
TPC		DSM Engineering Plastics	
<b>Product Texts</b>			
Blow Molding Grade, Heat Stabilized			
ISO 18064 TPC-ET			
<b>Rheological properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	2.9	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	10	kg	ISO 1133
<b>Mechanical properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	300	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	14	kJ/m <sup>2</sup>	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
<b>Thermal properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
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
<b>Other properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Density	1230	kg/m <sup>3</sup>	ISO 1183
<b>Characteristics</b>			
<b>Processing</b>		<b>Special Characteristics</b>	
Blow Molding		Heat stabilized or stable to heat	
<b>Delivery form</b>			
Pellets			