


Arnitel® PM460-H - Shore 45 D

TPC

DSM Engineering Plastics

Product Texts

Injection Molding, Heat Stabilized

ISO 18064 TPC-ET

[Arnitel website](#)

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	9.6	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	120	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m²	ISO 179/1eA
Stress at 10% elongation	8.4	MPa	ISO 527-1/-2
Stress at 100% elongation	15.5	MPa	ISO 527-1/-2
Stress at break TPE	19.5	MPa	ISO 527-1/-2
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	216	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	65	°C	ISO 75-1/-2
Other properties			
ISO Data			
Density	1210	kg/m³	ISO 1183

Characteristics
Processing

Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets