

Arnitel® PM460-H

TPC-ET

Injection Molding, Heat Stabilized

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt volume-flow rate	9.6	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
	Value		
Shore D Hardness (3s)	45	-	ISO 868
Tensile modulus	120	MPa	ISO 527-1/-2
Stress at break	19.5	MPa	ISO 527-1/-2
Nominal strain at break	205	%	ISO 527-1/-2
Stress at 5% strain	5.4	MPa	ISO 527-1/-2
Stress at 10% strain	8.4	MPa	ISO 527-1/-2
Stress at 50% strain	13.3	MPa	ISO 527-1/-2
Stress at 100% strain	15.5	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	N	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	N	kJ/m ²	ISO 180/1A
Izod notched impact strength (-30°C)	N	kJ/m ²	ISO 180/1A
Thermal properties			
	Value		
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

Value



Property Data

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Density	1210	kg/m ³	ISO 1183

