

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/m³	ISO 1183