

Arnitel[®] PM460

TPC-ET

Injection Molding

Print Date: 2024-09-17

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>VALUE</i>		
Melt volume-flow rate	10	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage [parallel]	1.5	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.6	%	Sim. to ISO 294-4
<i>MECHANICAL PROPERTIES</i>			
	<i>VALUE</i>		
Shore D Hardness (3s)	46	—	ISO 868
Tensile modulus	200	MPa	ISO 527-1/-2
Stress at break	21.1	MPa	ISO 527-1/-2
Nominal strain at break	215	%	ISO 527-1/-2
Stress at 10% strain	9.9	MPa	ISO 527-1/-2
Stress at 100% strain	17	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
<i>THERMAL PROPERTIES</i>			
	<i>VALUE</i>		
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
<i>OTHER PROPERTIES</i>			
	<i>VALUE</i>		

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Density	1210	kg/m ³	ISO 1183

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