

Arnitel® PL420-H

TPC-ET

Injection Molding, Heat Stabilized

Print Date: 2020-02-19

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt volume-flow rate	23	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage [parallel]	1.6	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.75	%	Sim. to ISO 294-4
Mechanical properties			
	Value		
Shore D Hardness (3s)	38	-	ISO 868
Tensile modulus	86	MPa	ISO 527-1/-2
Stress at break	14	MPa	ISO 527-1/-2
Nominal strain at break	275	%	ISO 527-1/-2
Stress at 10% strain	6	MPa	ISO 527-1/-2
Stress at 100% strain	9.6	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 (-20°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)	220	°C	ISO 11357-1/-3
Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10

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Property Data

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Properties	Typical Data	Unit	Test Method
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3	mm	IEC 60695-11-10
Electrical properties	Value		
Volume resistivity	>1E13	Ohm*m	IEC 60093
Other properties	Value		
Density	1180	kg/m ³	ISO 1183

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