

Arnitel[®] HM7118

TPC-ET

Injection Molding

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume-flow rate	5	cm ³ /10min	ISO 1133
Temperature	190	°C	ISO 1133
Load	2.16	kg	ISO 1133
MECHANICAL PROPERTIES			
	VALUE		
Shore D Hardness (3s)	25	–	ISO 868
Tensile modulus	20	MPa	ISO 527-1/-2
Stress at break	9	MPa	ISO 527-1/-2
Nominal strain at break	650	%	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
THERMAL PROPERTIES			
	VALUE		
Melting temperature (10°C/min)	195	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion (parallel)	2.2	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	2.2	E-4/°C	ISO 11359-1/-2
OTHER PROPERTIES			
	VALUE		
Density	950	kg/m ³	ISO 1183
Water absorption	0.8	%	Sim. to ISO 62

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