

Arnitel® L-X08695

TPC-ET

Injection Molding, Electrical Conductive

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt volume-flow rate	32	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	5	kg	ISO 1133
Mechanical properties			
	Value		
Shore D Hardness (3s)	33	-	ISO 868
Tensile modulus	40	MPa	ISO 527-1/-2
Stress at break	11	MPa	ISO 527-1/-2
Nominal strain at break	500	%	ISO 527-1/-2
Flexural modulus	39	MPa	ISO 178
Flexural strength	2.7	MPa	ISO 178
Compression Set under constant strain at 23 °C	23.4	%	ISO 815
Compression Set under constant strain at 70 °C	67.1	%	ISO 815
Thermal properties			
	Value		
Melting temperature (10°C/min)	170	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion (parallel)	2	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	2	E-4/°C	ISO 11359-1/-2
Electrical properties			
	Value		
Volume resistivity	1.5E11	Ohm*m	IEC 60093
Other properties			
	Value		
Density	1.2	kg/m ³	ISO 1183



Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Water absorption	0.8	%	Sim. to ISO 62
Mechanical properties (die cutting)		Value	
Tear strength (normal)	90	MPa	ISO 34
Tear strength (parallel)	90	MPa	ISO 34

