

Arnitel® L-X08588

TPC-ET

Blow Molding Grade

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt volume-flow rate	11	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	10	kg	ISO 1133
Molding shrinkage [parallel]	1.5	%	Sim. to ISO 294-4
Molding shrinkage [normal]	2.3	%	Sim. to ISO 294-4
Mechanical properties			
	Value		
Shore D Hardness (3s)	37	-	ISO 868
Tensile modulus	70	MPa	ISO 527-1/-2
Stress at break	19	MPa	ISO 527-1/-2
Nominal strain at break	180	%	ISO 527-1/-2
Stress at 5% strain	3.5	MPa	ISO 527-1/-2
Stress at 10% strain	6	MPa	ISO 527-1/-2
Stress at 50% strain	11.6	MPa	ISO 527-1/-2
Stress at 100% strain	15.2	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)	212	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	65	°C	ISO 75-1/-2



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Properties	Typical Data	Unit	Test Method
Other properties			
Density	1180	kg/m ³	ISO 1183
Mechanical properties (die cutting)			
Stress at break (normal)	27	MPa	ISO 527-1/-2
Stress at 5% strain (normal)	3.7	MPa	ISO 527-1/-2
Stress at 10% strain (normal)	5.6	MPa	ISO 527-1/-2
Stress at 50% strain (normal)	8.9	MPa	ISO 527-1/-2
Stress at 100% strain (normal)	10	MPa	ISO 527-1/-2
Strain at break (normal)	760	%	ISO 527-1/-2
Stress at 10% strain (parallel)	5.5	MPa	ISO 527-1/-2
Stress at 10% strain (parallel) (+100°C)	3	MPa	ISO 527-1/-2
Tear strength (normal)	230	MPa	ISO 34

