

Arnitel® EB464-01

TPC-ET

Antisqueak Blow Molding Grade

Properties	Typical Data	Unit	Test Method
Rheological properties			
Melt volume-flow rate	6.5	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	10	kg	ISO 1133
Mechanical properties			
Shore D Hardness (3s)	37	-	ISO 868
Tensile modulus	65	MPa	ISO 527-1/-2
Stress at break	21	MPa	ISO 527-1/-2
Nominal strain at break	275	%	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	11.2	MPa	ISO 527-1/-2
Stress at 100% strain	14	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
Tear strength	96	kN/m	ISO 34-1
Thermal properties			
Melting temperature (10°C/min)	214	°C	ISO 11357-1/-3



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Density	1150	kg/m ³	ISO 1183
Water absorption	0.7	%	Sim. to ISO 62
Humidity absorption	0.3	%	Sim. to ISO 62

Mechanical properties (die cutting)

Value

Stress at break (normal)	32	MPa	ISO 527-1/-2
Stress at 5% strain (normal)	3.4	MPa	ISO 527-1/-2
Stress at 10% strain (normal)	5.7	MPa	ISO 527-1/-2
Stress at 50% strain (normal)	8.7	MPa	ISO 527-1/-2
Stress at 100% strain (normal)	9.3	MPa	ISO 527-1/-2
Strain at break (normal)	960	%	ISO 527-1/-2
Stress at 10% strain (parallel)	5.4	MPa	ISO 527-1/-2
Stress at 10% strain (parallel) (+100°C)	2.6	MPa	ISO 527-1/-2
Tear strength (normal)	265	MPa	ISO 34

