

Arnitel® EL150

TPC-ET

77 Shore A, Injection Molding

Print Date: 2017-11-03

Properties	Typical Data	Unit	Test Method
Rheological properties		Value	
Melt volume-flow rate	77	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties		Value	
Shore D Hardness (3s)	19	-	ISO 868
Shore D Hardness (15s)	18	-	ISO 868
Shore A Hardness (3s)	80	-	ISO 868
Shore A Hardness (15s)	79	-	ISO 868
Tensile modulus	14	MPa	ISO 527-1/-2
Stress at break	13.8	MPa	ISO 527-1/-2
Nominal strain at break	980	%	ISO 527-1/-2
Stress at 5% strain	0.8	MPa	ISO 527-1/-2
Stress at 10% strain	1.4	MPa	ISO 527-1/-2
Stress at 50% strain	3.1	MPa	ISO 527-1/-2
Stress at 100% strain	3.8	MPa	ISO 527-1/-2
Thermal properties		Value	
Melting temperature (10°C/min)	165	°C	ISO 11357-1/-3
Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.2	mm	IEC 60695-11-10
UL recognition	Yes	-	-

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Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Other properties	Value		
Density	1060	kg/m ³	ISO 1183
Humidity absorption	0.12	%	Sim. to ISO 62

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