

# Arnitel<sup>®</sup> EL250 (Provisional)

## Property Data

TPC-ET

27 Shore D, Injection Molding

Properties	Typical Data	Unit	Test Method
<b>RHEOLOGICAL PROPERTIES</b>			
Melt volume-flow rate	35	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
<b>MECHANICAL PROPERTIES</b>			
Shore D Hardness (3s)	27	-	ISO 868
Tensile modulus	25	MPa	ISO 527-1/-2
Stress at 5% strain	0.9	MPa	ISO 527-1/-2
Stress at 10% strain	1.8	MPa	ISO 527-1/-2
Stress at 50% strain	4.1	MPa	ISO 527-1/-2
Stress at 100% strain	5	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	N	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength (23°C)	N	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b>			
Melting temperature (10°C/min)	180	°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
<b>ELECTRICAL PROPERTIES</b>			
Volume resistivity	5E12	Ohm*m	IEC 60093
Surface resistivity	>1E15	Ohm	IEC 60093
<b>OTHER PROPERTIES</b>			
Density	1080	kg/m <sup>3</sup>	ISO 1183
Water absorption	0.8	%	Sim. to ISO 62

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