

# Arnitel<sup>®</sup> EM400-B

## TPC-ET

Injection Molding, Molding Release, Food Contact Quality

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b><i>RHEOLOGICAL PROPERTIES</i></b>			
	<b><i>VALUE</i></b>		
Melt volume-flow rate	34	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
<b><i>MECHANICAL PROPERTIES</i></b>			
	<b><i>VALUE</i></b>		
Shore D Hardness (3s)	30	–	ISO 868
Tensile modulus	40	MPa	ISO 527-1/-2
Stress at break	19	MPa	ISO 527-1/-2
Nominal strain at break	800	%	ISO 527-1/-2
Stress at 5% strain	2	MPa	ISO 527-1/-2
Stress at 10% strain	3.4	MPa	ISO 527-1/-2
Stress at 50% strain	6.2	MPa	ISO 527-1/-2
Stress at 100% strain	7	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
Izod notched impact strength (-20°C)	N	kJ/m <sup>2</sup>	ISO 180/1A
<b><i>THERMAL PROPERTIES</i></b>			
	<b><i>VALUE</i></b>		
Melting temperature (10°C/min)	195	°C	ISO 11357-1/-3
<b><i>OTHER PROPERTIES</i></b>			
	<b><i>VALUE</i></b>		
Density	1100	kg/m <sup>3</sup>	ISO 1183

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