

Arnitel[®] EM400-B

TPC-ET

Injection Molding, Molding Release, Food Contact Quality

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	VALUE		
Melt volume-flow rate	34	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
MECHANICAL PROPERTIES	VALUE		
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 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
THERMAL PROPERTIES	VALUE		
Melting temperature (10°C/min)	195	°C	ISO 11357-1/-3
OTHER PROPERTIES	VALUE		
Density	1100	kg/m ³	ISO 1183