

Arnitel[®] EM460 LG4

TPC-ET-GF

Injection Molding or Extrusion Grade

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt flow index MFI	24	g/10min	ISO 1133
MFI test load	2.16	kg	ISO 1133
MFI test temperature	230	°C	ISO 1133
MECHANICAL PROPERTIES			
	VALUE		
Shore D Hardness (15s)	56	–	ISO 868
Tensile modulus	1000	MPa	ISO 527-1/-2
Yield strain	18	%	ISO 527-1/-2
Stress at break	32	MPa	ISO 527-1/-2
Izod notched impact strength (+23°C)	30	kJ/m ²	ISO 180/1A
Flexural modulus	900	MPa	ISO 178
THERMAL PROPERTIES			
	VALUE		
Melting temperature (10°C/min)	185	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	110	°C	ISO 75-1/-2
OTHER PROPERTIES			
	VALUE		
Density	1290	kg/m ³	ISO 1183
Water absorption	0.55	%	Sim. to ISO 62
Humidity absorption	0.25	%	Sim. to ISO 62

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