

Arnitel[®] XG01IM

TPC-ET

Injection Molding

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume-flow rate	13.8	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
MECHANICAL PROPERTIES			
	VALUE		
Shore A Hardness (3s)	82	—	ISO 868
Tensile modulus	36	MPa	ISO 527-1/-2
Stress at break	8.8	MPa	ISO 527-1/-2
Nominal strain at break	550	%	ISO 527-1/-2
Stress at 10% strain	1.9	MPa	ISO 527-1/-2
Stress at 100% strain	4.1	MPa	ISO 527-1/-2
THERMAL PROPERTIES			
	VALUE		
Melting temperature (10°C/min)	180	°C	ISO 11357-1/-3
ELECTRICAL PROPERTIES			
	VALUE		
Volume resistivity	8.4E11	Ohm*m	IEC 62631-3-1
Electric strength	21.5	kV/mm	IEC 60243-1
OTHER PROPERTIES			
	VALUE		
Density	1100	kg/m ³	ISO 1183
Water absorption	0.16	%	Sim. to ISO 62
Humidity absorption	0.45	%	Sim. to ISO 62