

Arnitel® XG6029

TPC-ET

Extrusion Grade

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt volume-flow rate	4	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
	Value		
Shore D Hardness (3s)	42	-	ISO 868
Shore A Hardness (3s)	88	-	ISO 868
Tensile modulus	45	MPa	ISO 527-1/-2
Stress at break	9.7	MPa	ISO 527-1/-2
Nominal strain at break	420	%	ISO 527-1/-2
Stress at 10% strain	2.6	MPa	ISO 527-1/-2
Stress at 100% strain	4.5	MPa	ISO 527-1/-2
Thermal properties			
	Value		
Melting temperature (10°C/min)	180	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion (parallel)	1.8	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1.9	E-4/°C	ISO 11359-1/-2
Burning Behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	IEC 60695-11-10
Electrical properties			
	Value		
Relative permittivity (100Hz)	3.7	-	IEC 60250
Relative permittivity (1 MHz)	3.5	-	IEC 60250



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Properties	Typical Data	Unit	Test Method
Volume resistivity	8.3E10	Ohm*m	IEC 60093
Electric strength	19.7	kV/mm	IEC 60243-1
Other properties		Value	
Density	1130	kg/m ³	ISO 1183
Water absorption	0.2	%	Sim. to ISO 62
Humidity absorption	0.64	%	Sim. to ISO 62

