

Arnitel® XG5857

TPC-ET

Extrusion Grade, Flame Retardant (halogen free)

Properties	Typical Data	Unit	Test Method
Rheological properties			
Melt volume-flow rate	Value		
	4.3	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
Shore A Hardness (3s)	Value		
	88	-	ISO 868
Tensile modulus	60	MPa	ISO 527-1/-2
Stress at break	10.6	MPa	ISO 527-1/-2
Nominal strain at break	440	%	ISO 527-1/-2
Stress at 10% strain	3.5	MPa	ISO 527-1/-2
Stress at 100% strain	5.3	MPa	ISO 527-1/-2
Thermal properties			
Melting temperature (10°C/min)	Value		
	195	°C	ISO 11357-1/-3
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.45	mm	IEC 60695-11-10
Electrical properties			
Volume resistivity	Value		
	8.3E10	Ohm*m	IEC 60093
Electric strength	19.8	kV/mm	IEC 60243-1
Other properties			
Density	Value		
	1130	kg/m ³	ISO 1183
Water absorption	0.2	%	Sim. to ISO 62



Property Data

Arnitel[®] XG5857

Properties	Typical Data	Unit	Test Method
Humidity absorption	0.65	%	Sim. to ISO 62

