

Arnitel® XG5858

TPC-ET

Injection Molding, Flame Retardant (halogen free)

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
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.75	mm	IEC 60695-11-10
Electrical properties			
	Value		
Volume resistivity	8.4E11	Ohm*m	IEC 60093
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



Property Data

Arnitel[®] XG5858

Properties	Typical Data	Unit	Test Method
Humidity absorption	0.45	%	Sim. to ISO 62

