

Arnitel® CM600-V XL

TPC-ES FR

60 Shore D, Extrusion, Flame Retardant (halogen free), Low Outgassing

Properties	Typical Data	Unit	Test Method
Rheological properties			
Melt volume-flow rate	Value		
Temperature	13	cm ³ /10min	ISO 1133
Load	230	°C	ISO 1133
	2.16	kg	ISO 1133
Mechanical properties			
Tensile modulus	Value		
Stress at break	470	MPa	ISO 527-1/-2
Nominal strain at break	20	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	170	%	ISO 527-1/-2
Izod notched impact strength (+23°C)	N	kJ/m ²	ISO 179/1eA
	N	kJ/m ²	ISO 180/1A
Thermal properties			
Melting temperature (10°C/min)	Value		
	205	°C	ISO 11357-1/-3
Electrical properties			
Relative permittivity (100Hz)	Value		
Relative permittivity (1 MHz)	4.2	-	IEC 60250
Dissipation factor (100 Hz)	3.7	-	IEC 60250
Dissipation factor (1 MHz)	157	E-4	IEC 60250
Volume resistivity	385	E-4	IEC 60250
Electric strength	>1E13	Ohm*m	IEC 60093
	18.7	kV/mm	IEC 60243-1
Other properties			
Density	Value		
	1320	kg/m ³	ISO 1183

