Arnitel®

Arnitel® XG01IS

TPC-ET

Extrusion Grade

Properties	Typical Data	Unit	Test Method
Rheological properties	Value		
Melt volume-flow rate	2.7	cm^3/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties	Value		
Shore A Hardness (3s)	86	-	ISO 868
Tensile modulus	56	MPa	ISO 527-1/-2
Stress at break	8.5	MPa	ISO 527-1/-2
Nominal strain at break	350	%	ISO 527-1/-2
Stress at 10% strain	3	MPa	ISO 527-1/-2
Stress at 100% strain	4.4	MPa	ISO 527-1/-2
Thermal properties	Value		
Melting temperature (10°C/min)	172	°C	ISO 11357-1/-3
Burning Behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10
Burning Behav. at 3.0 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	3	mm	IEC 60695-11-10
Electrical properties	Value		
Volume resistivity	1.9E11	Ohm*m	IEC 62631-3-1
Electric strength	21	kV/mm	IEC 60243-1

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Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Other properties	**Value**		
Density	1130	kg/m³	ISO 1183
Water absorption	0.17	%	Sim. to ISO 62
Humidity absorption	0.45	%	Sim. to ISO 62

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