

Akulon® S223-E

PA66

A viscosità medio/bassa

Proprietà	Dati tipici	Unità	Metodo test
Proprietà Reologiche			
	sec / cond		
Ritiro di stampaggio (longitudinale)	1.6/*	%	Sim. to ISO 294-4
Ritiro di stampaggio (trasversale)	1.6/*	%	Sim. to ISO 294-4
Proprietà Meccaniche			
	sec / cond		
Modulo a trazione	3500/1500	MPa	ISO 527-1/-2
Carico unitario a snervamento	95/60	MPa	ISO 527-1/-2
Deformazione a snervamento	3.5/20	%	ISO 527-1/-2
Deformazione nominale a rottura	25/>50	%	ISO 527-1/-2
Modulo di rigidità a flessione	2800/-	MPa	ISO 178
Resistenza alla flessione	125/-	MPa	ISO 178
Resistenza all'urto Charpy (+23°C)	N/N	kJ/m ²	ISO 179/1eU
Resistenza all'urto Charpy(-30°C)	N/N	kJ/m ²	ISO 179/1eU
Resist. urto Charpy con intaglio(+23°C)	6/12	kJ/m ²	ISO 179/1eA
Resist. urto Charpy con intaglio(-30°C)	6/6	kJ/m ²	ISO 179/1eA
Proprietà Termiche			
	sec / cond		
Temperatura di fusione	260/*	°C	ISO 11357-1/-3
Temp.di inflessione sotto carico (1.8 MPa)	80/*	°C	ISO 75-1/-2
Temp.di inflessione sotto carico (0.45 MPa)	225/*	°C	ISO 75-1/-2
Coeff.di dilatazione termica lin. (parallelo)	1/*	E-4/°C	ISO 11359-1/-2
Coeff.di dilatazione termica lin. (perpend.)	1/*	E-4/°C	ISO 11359-1/-2
Reaz. al fuoco spess.nom. 1.5mm	V-2/*	class	IEC 60695-11-10
Spessore provato	1.5/*	mm	IEC 60695-11-10
Reazione al fuoco a spessore h (ISO 1210)	V-2/*	class	IEC 60695-11-10
Spessore provato	3/*	mm	IEC 60695-11-10
Proprietà Elettriche			
	sec / cond		
Costante dielettrica relativa (100Hz)	3.2/10	-	IEC 60250
Costante dielettrica relativa (1 MHz)	3/4	-	IEC 60250
Fattore di dissipazione(100Hz)	60/1400	E-4	IEC 60250

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Dati Proprietà

Akulon[®] S223-E

Proprietà	Dati tipici	Unità	Metodo test
Fattore di dissipazione(1 MHz)	170/1000	E-4	IEC 60250
Resistività volumica	1E13/1E10	Ohm*m	IEC 60093
Resistività superficiale	*/1E14	Ohm	IEC 60093
Rigidità dielettrica	25/20	kV/mm	IEC 60243-1
Res. alle correnti striscianti superficiali	600/600	-	IEC 60112
Altre Proprietà	sec / cond		
Assorbimento d'acqua	8.5/*	%	Sim. to ISO 62
Assorbimento d'umidità	2.3/*	%	Sim. to ISO 62
Massa volumica	1140/-	kg/m ³	ISO 1183

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