Stanyl®

Stanyl® TE351

PA46 FR(17)

Flame Retardant, Heat Stabilized

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage [parallel]	2/*	%	Sim. to ISO 294-4
Molding shrinkage [normal]	2/*	%	Sim. to ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	3000/1200	MPa	ISO 527-1/-2
Yield stress	60/45	MPa	ISO 527-1/-2
Nominal strain at break	20/>50	%	ISO 527-1/-2
Flexural modulus	2500/-	MPa	ISO 178
Charpy impact strength (+23°C)	85/N	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	85/95	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	8/14	kJ/m²	ISO 179/1eA
Charpy notched impact strength (-30°C)	5/5	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	8/14	kJ/m²	ISO 180/1A
Izod notched impact strength (-40°C)	5/5	kJ/m²	ISO 180/1A
Thermal properties	dry / cond		
Melting temperature (10°C/min)	295/*	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	160/*	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.9/*	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.9/*	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0/*	class	IEC 60695-11-10
Thickness tested	1.5/*	mm	IEC 60695-11-10
UL recognition	UL/*	-	-
Burning Behav. at thickness h	V-0/*	class	IEC 60695-11-10
Thickness tested	0.75/*	mm	IEC 60695-11-10
UL recognition	UL/*	-	-
Other properties	dry / cond		
Humidity absorption	2/*	%	Sim. to ISO 62
Density	1370/-	kg/m³	ISO 1183

28.09.2011

Property Data

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