

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/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	85/95	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	8/14	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	5/5	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	8/14	kJ/m ²	ISO 180/1A
Izod notched impact strength (-40°C)	5/5	kJ/m ²	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/m ³	ISO 1183

28.09.2011

All information supplied by or on behalf of DSM in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and, in good faith, believed reliable, but DSM assumes no liability and makes no warranties of any kind, express or implied, including, but not limited to, those of title, merchantability, fitness for a particular purpose or non-infringement or any warranty arising from a course of dealing, usage, or trade practice whatsoever in respect of application, processing or use made of the aforementioned information or product. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequence from the use of all such information. Typical values are indicative only and are not to be construed as being binding specifications.



Property Data

Stanyl® TE351

Properties

Typical Data

Unit

Test Method

28.09.2011

All information supplied by or on behalf of DSM in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and, in good faith, believed reliable, but DSM assumes no liability and makes no warranties of any kind, express or implied, including, but not limited to, those of title, merchantability, fitness for a particular purpose or non-infringement or any warranty arising from a course of dealing, usage, or trade practice whatsoever in respect of application, processing or use made of the aforementioned information or product. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequence from the use of all such information. Typical values are indicative only and are not to be construed as being binding specifications.

HEALTH • NUTRITION • MATERIALS



DSM

BRIGHT SCIENCE. BRIGHTER LIVING.