

DATA SHEET

TAROLOX 10 H G6 DX0



PBT glass fibre reinforced 30% heat stabilised, self extinguishing UL94 V0 also at low thickness PBDE/PBDF free, good flow, good surface finish, good mechanical properties, very high dimensional stability good tracking resistance.

UL94 V0 approved NC,BK at 0,75 mm. UL 746B approved.

Available: different colours.

DRYING - conditions		Melt temperature:	230 - 270°C
Pre-heater:	120 - 130°C - 3 h	Mould temperature:	80 - 110°C
Dryer:	100°C - 1÷2 h	Rate of injection:	MEDIUM - HIGH

PROPERTY	METHOD	DIN	ISO	ASTM	unit	VALUE	condition
ELECTRICAL							
Volume Resistivity		5348		D257	Ohm cm	>10exp(15)	
Tracking Resistance (CTI - Method A)	IEC 112				Volt	250	
Electric Strength				D149	kV/mm	26	2 mm
PHYSICAL							
Reinforcing Charges				D258	%	30	850°C - 1 h
Granule Humidity	TARO 002				%	<0,05	
Density (23 °C)		5347	R118	D792	Mg/m^3	1,64-1,66	
Water Absorption (24h / 23°C)		5349	R62	D570	%	0,03	
Water Absorption at Saturation		5349	R62	D570	%	0,22	
Mould Shrinkage (Parallel)				D955	%	0,2-0,4	
Mould Shrinkage (Normal)				D955	%	0,4-0,6	
Melting Point			R121	D211	°C	220-225	
MECHANICAL							
IZOD Notched Impact		-	180	D256	J/m	80	+23°C - 3,2 mm
CHARPY Notched Impact		5345	R179	D256	kJ/m^2	7	+23°C - 6x4x50 mm
Tensile Modulus		5345	R527	D638	N/mm^2	10000	
Flexural Modulus		5345	R178	D790	N/mm^2	9000	
Elongation at Break		5345	R527	D638	%	2	
Flexural Break Strength		5345	R178	D790	N/mm^2	210	
Tensile Break Strength		5345	R527	D638	N/mm^2	120	
ROCKWELL Hardness				D785	scala R	120	
FLAMMABILITY							
Oxygen index				D286	%	32	
Flame Behaviour (3,2 mm)	UL 94					V0	
Flame Behaviour (1,6 mm)	UL 94					V0	
Flame Behaviour (0,75 mm)	UL 94					V0	
Glow Wire Test (2 mm)	IEC 695-2-1				°C	960	
THERMAL							
VICAT Temperature (5 kg)		5346	R306	D152	°C	215	50°C / h
Heat Deflection Temperature (1,82 N/mm^2)		5346	R75	D648	°C	210	120°C / h
Ball Pressure Test	VDE 0470				°C	215	
Continuous service temperature (20.000 h)	IEC 216				°C	140	
Continuous service temperature (short term)	IEC 216				°C	165	
Continuous service temperature	UL 94 746B				°C	130	

These value are for natural color only. Colorant or other additives may alter some or all of these property. The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits nor used alone as the basis of design.



DATA SHEET

TAROLOX 10 H G6 DX0

PBT glass fibre reinforced 30% heat stabilised, self extinguishing UL94 V0 also at low thickness PBDE/PBDF free, good flow, good surface finish, good mechanical properties, very high dimensional stability good tracking resistance.

UL94 V0 approved NC,BK at 0,75 mm. UL 746B approved.

Available: different colours.

	DRYING - conditions	Melt temperature:	230 - 270°C
Pre-heater:	120 - 130°C - 3 h	Mould temperature:	80 - 110°C
Dryer:	100°C - 1÷2 h	Rate of injection:	MEDIUM - HIGH

PROPERTY	METHOD	DIN	ISO	ASTM	unit	VALUE	condition
<i>Coefficient of linear thermal expansion</i>		5375		D696	K ⁻¹	2,5x10exp(-5)	-30°C /+30°C
<i>Heat Deflection Temperature (0,45 N/mm²)</i>		5346	R75	D648	°C	215	120°C / h

These value are for natural color only. Colorant or other additives may alter some or all of these property. The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits nor used alone as the basis of design.