

TAROLOX 111 G4 DX02

Polyethylene Terephthalate

Taro Plast S.p.A.

Message:

PET medium viscosity 20% glass fibres reinforced, flame retardant UL94 UV, heat stabilized, good flow, very good mechanical, thermal and electrical properties, low moisture absorption, good dimensional stability. Designed for electrical applications requiring the compliance with the European Directive 2002/95/EC (RoHS Decree).

General Information			
UL YellowCard	E143048-467343		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Dimensional Stability		
	Good Electrical Properties		
	Good Flow		
	Heat Stabilized		
	Low Moisture Absorption		
	Medium Viscosity		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.60 to 0.80	%	
Flow	0.20 to 0.30	%	
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Granule Humidity ¹	< 0.030	%	
Reinforcement Content ² (850°C)	20	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ISO 527-2/1
Tensile Strain (Break)	2.8	%	ISO 527-2/50
Flexural Modulus ³	8200	MPa	ISO 178
Flexural Stress ⁴	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed)	236	°C	ISO 75-2/A
Vicat Softening Temperature	240	°C	ISO 306/B50

Melting Temperature	256	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	225	V	IEC 60112
Hot-wire Ignition (HWI)			UL 746
0.750 mm	PLC 0		
1.50 mm	PLC 0		
3.00 mm	PLC 0		
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.50 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	32	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	100 to 130	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	TARO 002		
2.	1 hr		
3.	1.0 mm/min		
4.	1.0 mm/min		
5.	120°C/hr		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

