

TAROLOX 111 G3

Polyethylene Terephthalate

Taro Plast S.p.A.

Message:

TAROLOX 111 G3 is a Polyethylene Terephthalate (PET) product filled with 15% glass fiber. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Chemical Resistant

Good Dimensional Stability

Low Moisture Absorption

Medium Viscosity

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Electrical Properties		
	Low Moisture Absorption		
	Medium Viscosity		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40 to 1.42	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.70 to 0.90	%	
Flow	0.30 to 0.50	%	
Water Absorption (23°C, 24 hr)	0.080	%	ISO 62
Granule Humidity ¹	< 0.050	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ISO 527-2/1
Tensile Stress (Break)	100	MPa	ISO 527-2/50
Tensile Strain (Break)	1.9	%	ISO 527-2/50
Flexural Modulus ²	9000	MPa	ISO 178
Flexural Stress ³	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed)	218	°C	ISO 75-2/A

Vicat Softening Temperature	220	°C	ISO 306/B50
Ball Pressure Test (245°C)	Pass		IEC 60695-10-2
Melting Temperature	252	°C	ISO 11357-3
CLTE - Flow (-30 to 30°C)	3.6E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Electric Strength (1.00 mm)	32	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.970 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
Oxygen Index	22	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	270 to 300	°C	
Mold Temperature	90.0 to 130	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	TARO 002		
2.	1.0 mm/min		
3.	1.0 mm/min		
4.	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

