

TAROLOX 200 G6

Polybutylene Terephthalate + ASA

Taro Plast S.p.A.

Message:

TAROLOX 200 G6 is a Polybutylene Terephthalate + ASA (PBT+ASA) product filled with 30% glass fiber. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Good Aesthetics

Good Dimensional Stability

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Dimensional Stability		
	Good Flow		
	Good Surface Finish		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.30 to 0.50	%	
Flow	0.20 to 0.40	%	
Water Absorption			ISO 62
23°C, 24 hr	0.050	%	
Saturation, 23°C	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9300	MPa	ISO 527-2/1
Tensile Stress (Break)	130	MPa	ISO 527-2/50
Tensile Strain (Break)	2.5	%	ISO 527-2/50
Flexural Modulus ¹	8200	MPa	ISO 178
Flexural Stress ²	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	180	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/B50

Melting Temperature	220	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
Oxygen Index	20	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature			
--	110	°C	
Pre-heater	120 to 130	°C	
Drying Time			
--	2.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	80.0 to 110	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	120°C/hr		

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