

TAROLOX 200 G3

Polybutylene Terephthalate + ASA

Taro Plast S.p.A.

Message:

PBT/ASA alloy 15% glass fibres reinforced. Good flow, excellent surface aspect, good combination of mechanical and thermal properties, good dimensional stability.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Good dimensional stability		
	Good liquidity		
	Excellent appearance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.60 - 0.90	%	Internal method
Flow direction	0.35 - 0.60	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	0.050	%	ISO 62
Saturated, 23°C	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
Flexural Modulus ¹	4100	MPa	ISO 178
Flexural Stress ²	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.1	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	62	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	165	°C	ISO 75-2/A
Vicat Softening Temperature	175	°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
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ⁴ (150°C)	15	%	ISO 3451
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	240 - 260	°C	
Mold Temperature	80.0 - 110	°C	
Injection Rate	Moderate-Fast		
Injection instructions			
Pre-heat Temperature: 120 to 130°CPre-heat Time: 3 hr			
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	120°C/hr		
4.	1 hr		

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