

TAROBLEND 88 G4

Polycarbonate + ABS

Taro Plast S.p.A.

Message:

PC/ABS alloy 20% glass fibres reinforced, high stiffness and thermal resistance.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Rigidity, high		
	Heat resistance, high		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24 - 1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	10	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.20 - 0.40	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	0.10	%	ISO 62
Saturated, 23°C	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6000	MPa	ISO 527-2/1
Tensile Stress (Break)	75.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.0	%	ISO 527-2/50
Flexural Modulus ¹	5200	MPa	ISO 178
Flexural Stress ²	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	118	°C	ISO 75-2/A
Vicat Softening Temperature	134	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
CLTE - Flow (-30 to 30°C)	4.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Dielectric Strength (2.00 mm)	24	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	200	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	24	%	ASTM D2863
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ⁴ (750°C)	20	%	ISO 3451
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	1.0	hr	
Processing (Melt) Temp	240 - 270	°C	
Mold Temperature	80.0 - 100	°C	
Injection Rate	Fast		
Injection instructions			
Pre-heat Temperature: 80 to 100°CPre-heat Time: 3 hrs			
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	120°C/hr		
4.	1 hr		

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