

TAROBLEND 88 G2

Polycarbonate + ABS

Taro Plast S.p.A.

Message:

PC/ABS alloy glass fiber reinforced 10%.
Available: all colors, UV stabilized (L).

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	UV Stabilizer		
Features	Good UV Resistance		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19 to 1.21	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	12	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Across Flow	0.20 to 0.40	%	ASTM D955
Water Absorption			
23°C, 24 hr	0.10	%	ASTM D570, ISO 62
Saturation	0.29	%	ASTM D570
Saturation, 23°C	0.29	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	70.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	5.0	%	ASTM D638, ISO 527-2
Flexural Modulus	4000	MPa	ASTM D790, ISO 178
Flexural Stress			
--	100	MPa	ISO 178
Break	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹ (23°C)	9.0	kJ/m ²	ASTM D256, ISO 179
Charpy Unnotched Impact Strength ² (23°C)	25	kJ/m ²	ASTM D256, ISO 179
Notched Izod Impact (23°C, 3.20 mm)	90	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature ³	100	°C	IEC 60216
Vicat Softening Temperature			

--	140	°C	ASTM D1525, ISO 306/A50 4 ⁴
--	134	°C	ASTM D1525, ISO 306/B50 5 ⁵
Ball Pressure Test (125°C)	Pass		VDE 0470
CLTE - Flow (-30 to 30°C)	4.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	24	kV/mm	ASTM D149
Comparative Tracking Index (Solution A)	150	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
Oxygen Index	24	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0	°C	
Pre-heater	80.0 to 100	°C	
Drying Time			
--	1.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Fast		
NOTE			
1.	6x4x50 mm		
2.	6x4x50 mm		
3.	20000 hrs		
4.	Rate A (50°C/h), Loading 1 (10 N)		
5.	Rate A (50°C/h), Loading 2 (50 N)		

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