

TAROBLEND 86

Polycarbonate + ABS

Taro Plast S.p.A.

Message:

TAROBLEND 86 is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Good Dimensional Stability

High Flow

Low Moisture Absorption

General Information			
Features	Good Dimensional Stability		
	High Flow		
	Low Moisture Absorption		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14 to 1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	16	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.40 to 0.70	%	
Flow	0.40 to 0.70	%	
Water Absorption			ISO 62
23°C, 24 hr	0.10	%	
Saturation, 23°C	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress (Yield)	55.0	MPa	ISO 527-2/50
Tensile Strain (Break)	60	%	ISO 527-2/50
Flexural Modulus ¹	2200	MPa	ISO 178
Flexural Stress ²	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	32	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact (23°C)	550	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	120	°C	ISO 75-2/A
Continuous Use Temperature ³	100	°C	IEC 60216

Vicat Softening Temperature			
--	140	°C	ISO 306/A50
--	135	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
CLTE - Flow (-30 to 30°C)	6.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Electric Strength (2.00 mm)	24	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
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	230 to 270	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	20000 hrs		

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