

TAROBLEND 50 X0

Polycarbonate + ABS

Taro Plast S.p.A.

Message:

TAROBLEND 50 X0 is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in Europe.

Characteristics include:

- Flame Rated
- Flame Retardant
- Heat Resistant

General Information			
UL YellowCard	E143048-223235		
Features	Flame Retardant		
	Good Thermal Stability		
	Low Halogen Content		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17 to 1.19	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.40 to 0.60	%	
Flow	0.40 to 0.60	%	
Water Absorption			ISO 62
23°C, 24 hr	0.25	%	
Saturation, 23°C	0.65	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	60.0	MPa	ISO 527-2/50
Tensile Strain (Break)	30	%	ISO 527-2/50
Flexural Modulus ¹	2450	MPa	ISO 178
Flexural Stress ²	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact (23°C)	350	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	°C	ISO 75-2/A
Continuous Use Temperature	60.0	°C	IEC 60216
Vicat Softening Temperature	116	°C	ISO 306/A50

Ball Pressure Test (75°C)	Pass		IEC 60695-10-2
CLTE - Flow (-30 to 30°C)	7.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.70 mm, All colors)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	32	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0	°C	
Pre-heater	80.0 to 90.0	°C	
Drying Time			
--	1.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		

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