

TAROBLEND 60 X0

Polycarbonate + ABS

Taro Plast S.p.A.

Message:

PC/ABS alloy self extinguishing UL94 V0, medium thermal resistance, improved thermal stability, low halogen content, without antimony trioxide.
UL94 approved V0 all colors at 1,7 mm. UL746B approved.
Available: different colours.

General Information			
UL YellowCard	E143048-223235		
Features	Antimony Free		
	Good Thermal Stability		
	High Heat Resistance		
	Low Halogen Content		
	Self Extinguishing		
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
Molding Shrinkage			ASTM D955
Flow	0.40 to 0.60	%	
Across Flow	0.40 to 0.60	%	
Water Absorption			
23°C, 24 hr	0.30	%	ASTM D570, ISO 62
Saturation	0.70	%	ASTM D570
Saturation, 23°C	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2750	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	65.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	40	%	ASTM D638, ISO 527-2
Flexural Modulus	2550	MPa	ASTM D790, ISO 178
Flexural Stress			
-- ¹	90.0	MPa	ISO 178
Yield	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	22	kJ/m ²	ASTM D256, ISO 179
Charpy Unnotched Impact Strength ³ (23°C)	No Break		ASTM D256, ISO 179
Notched Izod Impact (23°C, 3.20 mm)	450	J/m	ISO 180, ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	88.0	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature	60.0	°C	UL 746B
Vicat Softening Temperature	122	°C	ISO 306/A50, ASTM D1525 4
Ball Pressure Test (75°C)	Pass		VDE 0470
CLTE - Flow (-30 to 30°C)	7.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.70 mm)	V-0		UL 94
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
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	250 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Rate	Moderate		
NOTE			
1.	Yield		
2.	6x4x50 mm		
3.	6x4x50 mm		
4.	Rate A (50°C/h), Loading 1 (10 N)		

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