

TAROBLEND 66 X0

Polycarbonate + ABS

Taro Plast S.p.A.

Message:

PC/ABS alloy good thermal resistance, flame retardant UL94 V0, improved thermal stability and UV light resistance, Bromine, Chlorine and Antimony compounds free.

General Information			
UL YellowCard	E143048-223235		
Additive	Flame retardancy		
Features	Chlorine Free		
	Good UV resistance		
	Heat resistance, high		
	Thermal stability, good		
	No antimony		
	Bromine-free		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	50	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.40 - 0.60	%	Internal method
Flow direction	0.40 - 0.60	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	0.30	%	ISO 62
Saturated, 23°C	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2750	MPa	ISO 527-2/1
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/50
Tensile Strain (Break)	40	%	ISO 527-2/50
Flexural Modulus ¹	2550	MPa	ISO 178
Flexural Stress ²	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	38	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact (23°C)	500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A

Continuous Use Temperature	60.0	°C	IEC 60216
Vicat Softening Temperature			
--	120	°C	ISO 306/A50
--	114	°C	ISO 306/B50
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)	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	
Drying Time	1.0	hr	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	60.0 - 80.0	°C	
Injection Rate	Moderate		
Injection instructions			
Pre-heat Temperature: 80 to 90°CPre-heat Time: 3 hrs			
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	120°C/hr		

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